

From: Swope, Sheridan
Sent: Monday, February 06, 2006 12:37 PM
To: STIC-Biotech/ChemLib
Subject: 10/018,964

For 10/018,964, please interference search:

SID 1 against the NT and AA data bases.

Wherein the sequence is: Tyr-Ser-Gly-Pro-Pro-Ser-Gly-Ala-Arg-Arg-Arg-Asn-Cys-Tyr-Glu

Sheridan Swope, Ph.D.
Patent Examiner, AU 1656
Recombinant Enzymes
571-272-0943 (voice)
E02B71 Remsen Bld (Office)
E03C70 Remsen Bld (Mailbox)

No Art

RECEIVED
FEB 6 2006
SEARCHED
(STIC)

1-15 aa
18

02/15/06
JAS

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 10000000000000000000

TO: Sheridan Swope
Art Unit: 1656
Location: REM/2B71/3C70
Serial Number: 10/018964

Friday, February 17, 2006

From: Beverly Shears
Location: Biotech-Chem Library
REM 1A54
Phone: 571-272-2528
beverly.shears@uspto.gov

Search Notes

Protein Sequence Searches – February 2005

All of the sequence databases on ABSS have recently been updated.

- Please note that the curators of the UniProt database have purged some temporary accession numbers from the most recent version of UniProt. These sequences have been assigned new permanent accession numbers. The new UniProt record may not contain the previous temporary accession number.
- If you encounter an accession number from an older search run against UniProt (results file extension **.rup**) that can no longer be found in the database, the permanent record with the new accession number can be found by searching the old accession number in the UniProt Protein Archive database (**uniPARC**) at:

<http://www.pir.uniprot.org/database/archive.shtml>

If you have any questions regarding this information or your results, please contact any STIC searcher.

Published Applications Database - November 2005

Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published_Applications_Main databases.

Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions **.rnpbm** (Published_Applications_NA_Main) and **.rnpbn** (Published_Applications_NA_New).

Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions **.rapbm** (Published_Applications_AA_Main) and **.rapbn** (Published_Applications_AA_New).



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GenCore version 5.1.7
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QM protein - nucleic search, using frame_Plus_P2n model

Run on: February 13, 2006, 17:47:10 ; Search time 410 Seconds
(without alignments)
32,896 Million cell updates/sec

Title: SWOP-018-SEQ1
Perfect score: 87
Sequence: 1 ysgpgsgartrrcye 15

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 6240305 seqs, 449581930 residues
Total number of hits satisfying chosen parameters: 12480610

Minimum DB seq length: 0
Maximum DB seq length: 20000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
-MODEL=frame_Plus_P2n.model -DEV=xlp
-Q=-abse/ABSSWEB_Epool1/SWOP018964/runat_10022006_143759_580/app query.fasta_1
-DB=-publi.shed_Applications_NA_New -QNTF=Fastap -SUFFIX=rpbn -MINMATCH=0.1
-LOOPCFL=0 -LOOPEXT=0 -UNITS=BITS -START=1 -END=-1 -MATRIX=blosum62
-TRANS=num40.cdt -LIST=45 -DOALIGN=200 -THR SCORE=0.95 -THR MAX=100
-THR MIN=0 -ALIGN=40 -MODE=LOCAL -OUTFMT=dcl -NORM=ext -HEARSTZE=500 -MINLEN=0
-MAXLEN=20000000000 -HOST=abse06p
-USER=SHOPR18964 @CGN_1.1.335 @runat_10022006_143759_580 -NCPU=6 -ICPU=3
-NO_MMAPP=0 -WAIT DSBLOCK=100 -LONGLOG -DEV TIMEOUT=120
-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=0.5 -XGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published_Applications_NA_New:
1: /cgn2_6/ptodata/2/pubnra/US08_NEW_PUB.seq*
2: /cgn2_6/ptodata/2/pubnra/US06_NEW_PUB.seq*
3: /cgn2_6/ptodata/2/pubnra/US07_NEW_PUB.seq*
4: /cgn2_6/ptodata/2/pubnra/PCT_NEW_PUB.seq*
5: /cgn2_6/ptodata/2/pubnra/US09_NEW_PUB.seq*
6: /cgn2_6/ptodata/2/pubnra/US10_NEW_PUB.seq*
7: /cgn2_6/ptodata/2/pubnra/US11_NEW_PUB.seq*
8: /cgn2_6/ptodata/2/pubnra/US12_NEW_PUB.seq*
9: /cgn2_6/ptodata/2/pubnra/US13_NEW_PUB.seq*
10: /cgn2_6/ptodata/2/pubnra/US14_NEW_PUB.seq*
11: /cgn2_6/ptodata/2/pubnra/US15_NEW_PUB.seq*
12: /cgn2_6/ptodata/2/pubnra/US60_NEW_PUB.seq*

Pre. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	63	72.4	6490	11 US-11-136-527-2002	Sequence 2002, AP
2	50	57.5	693	7 US-10-750-185-52252	Sequence 52252, A
3	50	57.5	693	7 US-10-750-123-52252	Sequence 52252, A
C	47.5	54.6	3278	7 US-10-750-185-41892	Sequence 41892, A
C	47.5	54.6	3278	7 US-10-750-623-41892	Sequence 41892, A

ALIGNMENTS

RESULT 1
US-11-136-527-2002
; Sequence 2002, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-04100 (AM1.01086)
; CURRENT APPLICATION NUMBER: US/11-136-527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SEQ ID NO: 2002
; SOFTWARE: PatentIn version 3.2
; LENGTH: 6490
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2002

Alignment Scores:
Pred. No.: 69 4
Score: 63.00
Percent Similarity: 86.78
Best Local Similarity: 73.43%
Query Match: 72.44%
DB: 11
Length: 6490
Matches: 11
Conservative: 2
Mismatched: 0
Indels: 0
Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-2002 (1-6490)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgCysThrGlu 15

Db 3673 TACAGGGCCCCCAAGGGCCCGGGCAGATGGTACGAC 3717

RESULT 2

US-10-750-185-52252

; Sequence 52252, Application US/10750185
; Publication No. US2005026053A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; ATTORNEY: DENISE, Sue K.

; ATTORNEY: KERR, Richard

; ATTORNEY: ROSENFIELD, David

; ATTORNEY: HOLM, Tom

; ATTORNEY: BATES, Stephen

; ATTORNEY: FANTIN, Dennis

; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-2

; CURRENT APPLICATION NUMBER: US/10/750,185

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; PRIOR FILING DATE: 2002-12-31

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; SEQ ID NO: 52252

; LENGTH: 693

; TYPE: DNA

; ORGANISM: Bovine

US-10-750-185-52252

Alignment Scores:

Pred. No.:

Score:

Percent Similarity:

Best Local Similarity:

Query Match:

DB:

Length:

Matches:

Conservative:

MisMatches:

Indels:

Gaps:

SWOP-018-SEQ1 (1-15) x US-10-750-185-52252 (1-6493)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsn 12

Db 552 TCTGTCCTCCGGAGGTCGAGCAGAGGCAT 584

RESULT 3

US-10-750-623-52252

; Sequence 52252, Application US/10750623

; Publication No. US2005028753A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; ATTORNEY: DENISE, Sue K.

; ATTORNEY: KERR, Richard

; ATTORNEY: ROSENFIELD, David

; ATTORNEY: HOLM, Tom

; ATTORNEY: BATES, Stephen

; ATTORNEY: FANTIN, Dennis

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; LENGTH: 693

; TYPE: DNA

; ORGANISM: Bovine

US-10-750-623-52252

Alignment Scores:

Pred. No.:

Score:

Percent Similarity:

Best Local Similarity:

Query Match:

DB:

Length:

Matches:

Conservative:

MisMatches:

Indels:

Gaps:

SWOP-018-SEQ1 (1-15) x US-10-750-623-52252 (1-693)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsn 12

Db 552 TCTGTCCTCCGGAGGTCGAGCAGAGGCAT 584

RESULT 4

US-10-750-185-41892/C

; Sequence 41892, Application US/10750185

; Publication No. US2005026063A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; ATTORNEY: DENISE, Sue K.

; ATTORNEY: KERR, Richard

; ATTORNEY: ROSENFIELD, David

; ATTORNEY: HOLM, Tom

; ATTORNEY: BATES, Stephen

; ATTORNEY: FANTIN, Dennis

; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; LENGTH: 693

; TYPE: DNA

; ORGANISM: Bovine

US-10-750-185-41892/C

; Sequence 41892, Application US/10750185

; Publication No. US2005026063A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; ATTORNEY: DENISE, Sue K.

; ATTORNEY: KERR, Richard

; ATTORNEY: ROSENFIELD, David

; ATTORNEY: HOLM, Tom

; ATTORNEY: BATES, Stephen

; ATTORNEY: FANTIN, Dennis

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; LENGTH: 693

; TYPE: DNA

; ORGANISM: Bovine

US-10-750-185-41892/C

; Sequence 41892, Application US/10750185

; Publication No. US2005026063A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; ATTORNEY: DENISE, Sue K.

; ATTORNEY: KERR, Richard

; ATTORNEY: ROSENFIELD, David

; ATTORNEY: HOLM, Tom

; ATTORNEY: BATES, Stephen

; ATTORNEY: FANTIN, Dennis

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

;

SEQ ID NO: 41892
; LENGTH: 3278
; TYPE: DNA
; ORGANISM: Bovine 198668880347917
US-10-750-623-41892

Alignment Scores:
Pred. No.: 6.74e+03 Length: 3278
Score: 47.50 Matches: 9
Percent Similarity: 76.9% Conservative: 1
Best Local Similarity: 69.2% Mismatches: 2
Query Match: 54.6% Indels: 1
DB: 7 Gaps: 1

SWOP-018-SEQ1 (1-15) x US-10-750-623-41892 (1-3278)

QY 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
DB 2325 GGGCGCAGGAGCAGGAGCAAGGAGAAGGAGTTGTTAT 2287

RESULT 6
US-11-169-041-47
; Sequence 47, Application US/11169041
; Publication No. US20060019284A1

GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
; TITLE OF INVENTION: KINASES
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 10001 NP
; CURRENT APPLICATION NUMBER: US/11/169,041
; CURRENT FILING DATE: 2005-06-28
; PRIOR APPLICATION NUMBER: 60/584,405
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 527
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 47
; LENGTH: 954
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-169-041-47

Alignment Scores:
Pred. No.: 2.12e+03 Length: 954
Score: 47.00 Matches: 8
Percent Similarity: 72.7% Conservative: 0
Best Local Similarity: 72.7% Mismatches: 0
Query Match: 54.0% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-169-041-47 (1-954)

QY 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
DB 293 GGGCGCCTCAGGGTACCGTCGAGGCCGCTGT 325

RESULT 7
US-11-136-527-7875
; Sequence 7875, Application US/11136527
; Publication No. US20050287570A1

GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 3779
; LENGTH: 1663
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-7875

Alignment Scores:
Pred. No.: 3.85e+03 Length: 1663
Score: 47.00 Matches: 8
Percent Similarity: 72.7% Conservative: 0
Best Local Similarity: 72.7% Mismatches: 3
Query Match: 54.0% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-7875 (1-1663)

QY 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
DB 490 GGGCACCTCAGGGTGCAGGCCGCTGT 522

RESULT 9
US-11-000-688-1399/c
; Sequence 1399, Application US/11000688
; Publication No. US20050287544A1

GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOUIGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 1399
; LENGTH: 2530
; TYPE: DNA

SWOP-018-SEQ1 (1-15) x US-11-000-688-1399/c

QY 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
DB 293 GGGCGCCTCAGGGTACCGTCGAGGCCGCTGT 325

RESULT 7
US-11-136-527-7875
; Sequence 7875, Application US/11136527
; Publication No. US20050287570A1

GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 7875
; LENGTH: 2530
; TYPE: DNA

ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequences:primer
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)..(2510)
 OTHER INFORMATION: homeo box a1 (HOXA1) gene.
 US-11-000-688-1399

Alignment Scores:
 Pred. No.: 6.05e+03 Length: 2530
 Score: 47.10 Matches: 10
 Percent Similarity: 64.7% Conservative: 1
 Best Local Similarity: 58.8% Mismatches: 2
 Query Match: 54.0% Indels: 4
 DB: 11 Gaps: 1

SWOP-018-SEQ1 (1-15) x US-11-000-688-1399 (1-2530)

Qy 2 SerGlyProPro-----SerGlyAlaArgArgArgAsnCystyr 14
 Db 244 TCTGCAACCCCTTCCTACTAGAAGCCCTCGTGCCTCCGCAACTGTGG 194

RESULT 10
 US-11-124-367A-5033
 Sequence 5033, Application US/11124367A
 Publication No. US20060024700A1
 GENERAL INFORMATION:
 APPLICANT: Michele Cargill
 APPLICANT: Hongjin Huang
 TITLE OF INVENTION: Genetic Polymorphisms Associated with
 TITLE OF INVENTION: Fibrosis: Methods of Detection and Uses Thereof
 FILE REFERENCE: CJO01519.ORD
 CURRENT APPLICATION NUMBER: US/11/124-367A
 CURRENT FILING DATE: 2005-05-09
 PRIOR APPLICATION NUMBER: US 60/568,846
 PRIOR FILING DATE: 2004-05-07
 PRIOR APPLICATION NUMBER: US 60/582,609
 PRIOR FILING DATE: 2004-06-25
 PRIOR APPLICATION NUMBER: US 60/599,554
 PRIOR FILING DATE: 2004-08-09
 NUMBER OF SEQ ID NOS: 34460
 SOFTWARE: Fabl-SEQ For Windows Version 4.0
 SEQ ID NO 5033
 LENGTH: 13156
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-11-124-367A-5033

Alignment Scores:
 Pred. No.: 3.58e+04 Length: 13156
 Score: 47.00 Matches: 10
 Percent Similarity: 66.7% Conservative: 2
 Best Local Similarity: 55.6% Mismatches: 2
 Query Match: 54.0% Indels: 4
 DB: 11 Gaps: 1

SWOP-018-SEQ1 (1-15) x US-11-124-367A-5033 (1-13156)

Qy 1 TyrSerGlyProProSerGly-----AlaArgArgArgAsnCystyr 14
 Db 2030 TGGCAAGGCCGCGCTTCAAGCTATATANGCACTCCGGCGCTGGTGTAT 2083

Alignment Scores:
 Pred. No.: 3.58e+04 Length: 13156
 Score: 47.00 Matches: 10
 Percent Similarity: 66.7% Conservative: 2
 Best Local Similarity: 55.6% Mismatches: 2
 Query Match: 54.0% Indels: 4
 DB: 11 Gaps: 1

SWOP-018-SEQ1 (1-15) x US-10-838-616-31 (1-1068)

Qy 3 GLYProProSerGlyAlaArgArgArgAsnCys 13
 Db 586 GGAGGCCCTGCTGAGCTGCTGCTAGGTGT 554

RESULT 12
 US-10-838-616-29/C
 Sequence 29, Application US/10838616
 Publication No. US20060008874A1
 GENERAL INFORMATION:
 APPLICANT: Mendel Biotechnology, Inc.
 APPLICANT: CREELMAN, Robert A
 APPLICANT: RATCLIFFE, Oliver
 APPLICANT: KUMIMOTO, Roderick W
 APPLICANT: GUTTERSON, Neal I
 APPLICANT: REUBER, T. Lynne
 APPLICANT: LIBBY, Jeffrey M
 TITLE OF INVENTION: Plant Transcriptional Regulators of Abiotic Stress
 FILE REFERENCE: MBI-0069CIP
 CURRENT APPLICATION NUMBER: US/10/838,616
 CURRENT FILING DATE: 2004-05-04
 PRIOR APPLICATION NUMBER: Stress-Related Polypeptides in Plants
 PRIOR FILING DATE: 2004-04-26

RESULT 11
 US-10-838-616-31/C
 Sequence 31, Application US/10838616
 Publication No. US20060008874A1
 GENERAL INFORMATION:
 APPLICANT: Mendel Biotechnology, Inc.
 APPLICANT: CREELMAN, Robert A
 APPLICANT: RATCLIFFE, Oliver
 APPLICANT: KUMIMOTO, Roderick W
 APPLICANT: GUTTERSON, Neal I

PRIOR APPLICATION NUMBER: 10/412,699
 PRIOR FILING DATE: 2003-04-10
 PRIOR APPLICATION NUMBER: 10/171,468
 PRIOR FILING DATE: 2002-06-14
 PRIOR APPLICATION NUMBER: 09/532,591
 PRIOR FILING DATE: 2000-03-22
 PRIOR APPLICATION NUMBER: 09/533,029
 PRIOR FILING DATE: 2000-03-22
 PRIOR APPLICATION NUMBER: 09/533,392
 PRIOR FILING DATE: 2000-03-22
 PRIOR APPLICATION NUMBER: 501/125,814
 PRIOR FILING DATE: 1999-03-23
 PRIOR APPLICATION NUMBER: 09/713,994
 PRIOR FILING DATE: 2000-11-16
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 68
 SOFTWARE: PatentIN version 3.2
 SEQ ID NO: 29
 LENGTH: 1291
 TYPE: DNA
 ORGANISM: *Oryza sativa*
 FEATURE:
 OTHER INFORMATION: G3388 AP002913b GI:12328560 Predicted polypeptide sequence is c
 US-10-838-616-29

Alignment Scores:
 Pred. No.: 4.13e+03 Length: 1291
 Score: 46.00 Matches: 8
 Percent Similarity: 72.7% Conservative: 0
 Best Local Similarity: 72.7% Mismatches: 3
 Query Match: 52.9% Indels: 0
 DB: 6 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-838-616-29 (1-1291)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 586 GGAGCCCTCGCGGAGCTCGSGCTAGTGT 554

RESULT 13
 US-10-750-185-56845/c
 ; Sequence 56845, Application US/10750185
 ; Publication No. US20050260603A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: ROSENFIELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-2
 ; CURRENT APPLICATION NUMBER: US/10/750,185
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIN version 3.1
 ; SEQ ID NO: 56845
 ; LENGTH: 1778
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880782510
 ; US-10-750-185-56845

Alignment Scores:
 Pred. No.: 5.83e+03 Length: 1778
 Score: 46.00 Matches: 8
 Percent Similarity: 69.2% Conservative: 1
 Best Local Similarity: 61.5% Mismatches: 4
 Query Match: 52.9% Indels: 0
 DB: 7

SWOP-018-SEQ1 (1-15) x US-10-750-623-56845 (1-1778)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 214 CATAGAGGCCGCCACCGAGGAGAACGATGCCATGC 176

RESULT 15
 US-10-750-185-50234
 ; Sequence 50234, Application US/10750185
 ; Publication No. US200502660603A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFIELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-2
 ; CURRENT APPLICATION NUMBER: US/10/750,185
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIN version 3.1
 ; SEQ ID NO: 50234
 ; LENGTH: 2957
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880580691
 ; US-10-750-185-50234
 ; Alignment Scores:

Pred. No.: 1.01e+04 Length: 2957 ; TYPE: DNA
 Score: 46.00 Matches: 8 ; ORGANISM: Homo sapiens
 Percent Similarity: 69.2% US-11-122-329-110
 Best Local Similarity: 61.5% ;
 Query Match: 52.9% ;
 DB: 7 ;
 SWOP-018-SEQ1 (1-15) x US-10-750-185-50234 (1-2957)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 279 TGGAGGGCGCGTCGGCTGGGGGGCGGCCCTGT 317

RESULT 16
 US-10-750-623-50234
 / sequence 50334, Application US/10750623
 / Publication No. US20050287531A1
 / GENERAL INFORMATION:
 / APPLICANT: MMI GENOMICS, INC.
 / APPLICANT: DENISE, Sue K.
 / APPLICANT: KERR, Richard
 / APPLICANT: ROSENFIELD, David
 / APPLICANT: HOLM, Tom
 / APPLICANT: BATES, Stephen
 / APPLICANT: FANTIN, Dennis
 / TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
 / FILE REFERENCE: MMII100-1
 / CURRENT APPLICATION NUMBER: US/10/750-523
 / CURRENT FILING DATE: 2003-12-31
 / PRIOR APPLICATION NUMBER: US 60/437,482
 / PRIOR FILING DATE: 2002-12-31
 / NUMBER OF SEQ ID NOS: 64922
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 50234
 / LENGTH: 2957
 / TYPE: DNA
 / ORGANISM: Bovine 19866880580691
 US-10-750-623-50234

Alignment Scores:
 Pred. No.: 1.01e+04 Length: 2957
 Score: 46.00 Matches: 8 ;
 Percent Similarity: 69.2% Conservative: 1
 Best Local Similarity: 61.5% ;
 Query Match: 52.9% ;
 DB: 7 ;
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-750-623-50234 (1-2957)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 279 TGGAGGGCGCGTCGGCTGGGGGGCGGCCCTGT 317

RESULT 17
 US-11-122-329-110
 / sequence 110, Application US/11122329
 / Publication No. US2006019272A1
 / GENERAL INFORMATION:
 / APPLICANT: Geraci, Mark
 / APPLICANT: Bull, Todd
 / APPLICANT: Voelkel, Norbert
 / APPLICANT: Coldren, Chris
 / TITLE OF INVENTION: Diagnosis of Disease and Monitoring of Therapy Using Gene Expression Analysis of Peripheral Blood Cells
 / FILE REFERENCE: 2848-54
 / CURRENT APPLICATION NUMBER: US/11/122-329
 / PRIOR APPLICATION NUMBER: 2005-05-03
 / PRIOR FILING DATE: 2004-05-01
 / NUMBER OF SEQ ID NOS: 128
 / SOFTWARE: PatentIn version 3.3
 / SEQ ID NO: 110
 / LENGTH: 3490

Alignment Scores:
 Pred. No.: 1.21e+04 Length: 3490
 Score: 46.00 Matches: 8
 Percent Similarity: 90.9% Conservative: 2
 Best Local Similarity: 72.7% ;
 Query Match: 52.9% ;
 DB: 11 ;
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-122-329-110 (1-3490)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 2874 AGGGGGGCCACGGCAGCAGGGACAT 2906

RESULT 18
 US-11-136-527-3727/c
 / Sequence 3727, Application US/11136527
 / Publication No. US20050287570A1
 / GENERAL INFORMATION:
 / APPLICANT: Wyeth
 / APPLICANT: Mounts, William M
 / TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
 / FILE REFERENCE: 031896-041000 (AM101086)
 / CURRENT APPLICATION NUMBER: US/11/136-527
 / CURRENT FILING DATE: 2005-05-25
 / PRIOR APPLICATION NUMBER: US 60/574,294
 / PRIOR FILING DATE: 2005-05-26
 / NUMBER OF SEQ ID NOS: 362830
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO: 3727
 / LENGTH: 6903
 / TYPE: DNA
 / ORGANISM: Rattus norvegicus
 / FEATURE:
 / NAME/KEY: misc_feature
 / LOCATION: (6844)..(6844)
 / OTHER INFORMATION: n is a, c, g, or t

Alignment Scores:
 Pred. No.: 2.52e+04 Length: 6903
 Score: 46.00 Matches: 8
 Percent Similarity: 76.9% Conservative: 3
 Best Local Similarity: 61.5% ;
 Query Match: 52.9% ;
 DB: 11 ;
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-3727 (1-6903)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 1338 TACATGGAAACCTCAGCATGGGAAGCGAACCTGT 1300

RESULT 19
 US-11-136-527-1990/c
 / Sequence 1990, Application US/11136527
 / Publication No. US20050287570A1
 / GENERAL INFORMATION:
 / APPLICANT: Wyeth
 / APPLICANT: Mounts, William M
 / TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
 / FILE REFERENCE: 031896-041000 (AM101086)
 / CURRENT APPLICATION NUMBER: US/11/136-527
 / CURRENT FILING DATE: 2005-05-25
 / PRIOR APPLICATION NUMBER: US 60/574,294
 / NUMBER OF SEQ ID NOS: 362830
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO: 1990

LENGTH: 7853
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 US-11-136-527-1990

Alignment Scores:
 Pred. No.: 2.89e+04 Length: 7853
 Score: 46.00 Matches: 8
 Percent Similarity: 76.9% Conservative: 2
 Best Local Similarity: 61.5% Mismatches: 3
 Query Match: 52.9% Indels: 0
 DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-1990 (1-7853)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 1832 TACACTGGAAACACCGTCAAGCATGGCAAGCGAAGTGT 1794

RESULT 20
 US-11-136-527-1981/c
 ; Sequence 1081, Application US/11136527
 ; Publication No. US20050287570A1

GENERAL INFORMATION:
 ; APPLICANT: Wyeth
 ; APPLICANT: Mounts, William M
 ; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
 ; FILE REFERENCE: 031896-041000 (AM101086)
 ; CURRENT APPLICATION NUMBER: US/11/136,527
 ; CURRENT FILING DATE: 2005-05-15
 ; PRIOR APPLICATION NUMBER: US 60/574,294
 ; PRIOR FILING DATE: 2005-05-26
 ; NUMBER OF SBO ID NOS: 362830
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 1981
 ; LENGTH: 875
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 US-11-136-527-1981

Alignment Scores:
 Pred. No.: 3.06e+04 Length: 8275
 Score: 46.00 Matches: 8
 Percent Similarity: 76.9% Conservative: 2
 Best Local Similarity: 61.5% Mismatches: 3
 Query Match: 52.9% Indels: 0
 DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-1981 (1-8275)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 1356 TACACTGGAAACACCGTCAAGCATGGCAAGCGAAGTGT 1318

RESULT 21
 US-10-995-561-13383
 ; Sequence 13383, Application US/10995561
 ; Publication No. US20050272054A1

GENERAL INFORMATION:
 ; APPLICANT: CARGILL, Michele et al.
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF DETECTION AND USES THEREOF
 ; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001559
 ; CURRENT APPLICATION NUMBER: US/10/995,561
 ; NUMBER OF SEQ ID NOS: 85702
 ; SOFTWARE: FASTSEQ for Windows Version 4.0
 ; SEQ ID NO: 13383
 ; LENGTH: 88873
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:

; NAME/KEY: misc_feature
 ; LOCATION: (1)..(88873)
 ; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1
 US-10-995-561-13383

Alignment Scores:
 Pred. No.: 3.89e+05 Length: 88873
 Score: 46.00 Matches: 8
 Percent Similarity: 76.9% Conservative: 2
 Best Local Similarity: 61.5% Mismatches: 3
 Query Match: 52.9% Indels: 0
 DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-995-561-13383 (1-88873)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 45138 GGCGCTCTGCAAGGAGGAGGACCGGCTGTGTCATGAA 45176

RESULT 22
 US-10-838-616-19/c
 ; Sequence 19, Application US/10838616
 ; Publication No. US20060008874A1

GENERAL INFORMATION:
 ; APPLICANT: Mendel Biotechnology, Inc.
 ; APPLICANT: CREELMAN, Robert A
 ; APPLICANT: RATCLIFFE, Oliver
 ; APPLICANT: KUMIMOTO, Roderick W
 ; APPLICANT: GUTTERSON, Neal I
 ; APPLICANT: REUBER, T. Lynne
 ; APPLICANT: LIBBY, Jeffrey M
 ; TITLE OF INVENTION: Plant Transcriptional Regulators of Abiotic Stress
 ; FILE REFERENCE: MBI-006961P
 ; CURRENT APPLICATION NUMBER: US/10/838,616
 ; PRIOR APPLICATION NUMBER: Stress-Related Polypeptides in Plants
 ; PRIOR FILING DATE: 2004-05-04
 ; PRIOR FILING DATE: 2004-04-26
 ; PRIOR FILING DATE: 2003-10-14
 ; PRIOR APPLICATION NUMBER: 09/810,836
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 10/4412,699
 ; PRIOR FILING DATE: 2003-04-10
 ; PRIOR APPLICATION NUMBER: 10/171,468
 ; PRIOR FILING DATE: 2002-06-14
 ; PRIOR APPLICATION NUMBER: 09/532,591
 ; PRIOR FILING DATE: 2000-03-22
 ; PRIOR APPLICATION NUMBER: 09/533,029
 ; PRIOR FILING DATE: 2000-03-22
 ; PRIOR APPLICATION NUMBER: 09/533,392
 ; PRIOR FILING DATE: 2000-03-22
 ; PRIOR APPLICATION NUMBER: 60/125,814
 ; PRIOR FILING DATE: 1999-03-23
 ; PRIOR APPLICATION NUMBER: 09/713,994
 ; PRIOR FILING DATE: 2000-11-16
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 19
 ; LENGTH: 1067
 ; TYPE: DNA
 ; ORGANISM: Oryza sativa
 ; FEATURE:
 ; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G9
 US-10-838-616-19

Alignment Scores:
 Pred. No.: 4.74e+03 Length: 1067
 Score: 45.00 Matches: 8
 Percent Similarity: 72.7% Conservative: 0
 Best Local Similarity: 72.7% Mismatches: 3
 Query Match: 51.7% Indels: 0
 DB: 6 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-838-616-19 (1-1067)

Qy 3 GlyProProSerGlyAlaLysArgArgArgAsnCys 13

Db 605 GGAGGCCCTGGCGGAGCTCTGGAGAGACTAACTAC 573

RESULT 23

US-10-826-585-15

; Sequence 15, Application US/10826585

; Publication No. US20060008807A1

; GENERAL INFORMATION:

; APPLICANT: Immunivest Corporation

; APPLICANT: O'Hara, Shawn Mark

; APPLICANT: Falk, Brad

; APPLICANT: Zweitzig, Daniel

; TITLE OF INVENTION: Multiparameter analysis of comprehensive nucleic acids and

; TITLE OF INVENTION: morphological features on the same sample

; FILE REFERENCE: IMMC 143 PCT/US

CURRENT APPLICATION NUMBER: US/10/826,585

CURRENT FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: 60/369945

PRIOR FILING DATE: 2002-04-04

PRIOR APPLICATION NUMBER: 60/330669

PRIOR FILING DATE: 2002-11-26

PRIOR APPLICATION NUMBER: PCT/US02/26867

PRIOR FILING DATE: 2002-08-23

NUMBER OF SEQ ID NOS: 131

SEQ ID NO: 15

LENGTH: 1817

TYPE: DNA

ORGANISM: Human

US-10-826-585-15

Alignment Scores:

Pred. No.: 8.41e+03 Length: 1817

Score: 45.00 Matches: 9

Percent Similarity: 64.3% Conservative: 0

Best Local Similarity: 64.3% Mismatches: 5

Query Match: 51.7% Indels: 0

DB: 1146 TACTTACCGCCCTCTGGAGGAGACGTAAACTAC 1187

SWOP-018-SEQ1 (1-15) x US-11-178-134-5 (1-1817)

Qy 1 TyrSerGlyProProSerGlyAlaLysArgArgAsnCysTyr 14

Db 1146 TACTTACCGCCCTCTGGAGGAGACGTAAACTAC 1187

RESULT 25

US-11-120-351A-1

; Sequence 1, Application US/11120351A

; Publication No. US20050262506A1

; GENERAL INFORMATION:

; APPLICANT: GIDEKEL, Manuel

; TITLE OF INVENTION: Low temperature responsive nucleotide sequences and uses thereof

; FILE REFERENCE: Nitrogen Low Temperature

CURRENT APPLICATION NUMBER: US/11/120-351A

CURRENT FILING DATE: 2005-05-02

PRIOR APPLICATION NUMBER: 60/567,135

PRIOR FILING DATE: 2004-04-30

PRIOR APPLICATION NUMBER: 60/567,125

PRIOR FILING DATE: 2004-05-02

NUMBER OF SEQ ID NOS: 13

SEQ ID NO: 1

LENGTH: 1920

TYPE: DNA

ORGANISM: Deschampsia antarctica

FEATURE: Promoter

NAME/KEY: Promoter

LOCATION: (1)..(1089)

FEATURE: misc feature

NAME/KEY: 5' UTR

LOCATION: (1089)..(1209)

FEATURE: misc feature

NAME/KEY: misc feature

LOCATION: (1209)..(1920)

OTHER INFORMATION: coding sequence plus poly-A tail

US-11-120-351A-1

Alignment Scores:

Pred. No.: 8.92e+03 Length: 1920

Score: 45.00 Matches: 7

Percent Similarity: 75.0% Conservative: 2

Best Local Similarity: 58.3% Mismatches: 3

Query Match: 51.7% Indels: 0

DB: 1118 GCCTCGCCGCAACGGAGAGATGATG 1213

SWOP-018-SEQ1 (1-15) x US-11-120-351A-1 (1-1920)

Qy 2 SerGlyProProSerGlyAlaLysArgArgAsnCys 13

Db 1178 GCCTCGCCGCAACGGAGAGATGATG 1213

RESULT 26

US-11-121-086-1/C

; Sequence 1, Application US/11121086

; Publication No. US2005026659A1

; GENERAL INFORMATION:

; APPLICANT: POULSEN, TIM S.

; APPLICANT: NIELSEN, KIRSTEN V.

; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

CURRENT APPLICATION NUMBER: US/11/178,134

CURRENT FILING DATE: 2005-07-08

PRIOR APPLICATION NUMBER: 60/586,599

PRIOR FILING DATE: 2004-07-09

PRIOR APPLICATION NUMBER: 60/587,019

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn version 3.3

SEQ ID NO: 5

FILE REFERENCE: 09138-6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIORITY APPLICATION NUMBER: 2005-05-04
; PRIORITY FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 126552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-1

Alignment Scores:
Pred. No.: 7.89e+05 Length: 126552
Score: 45.00 Matches: 8
Percent Similarity: 61.5% Conservative: 0
Best Local Similarity: 61.5% Mismatches: 5
Query Match: 51.7% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-121-086-1 (1-191684)

Qy 3 GlyProProSerGlyAlaArgArgGlyArgGlyCystyrglu 15
Db 75271 GGCCCTCACTCGAGCTCTCGATGTTATGAA 75233

RESULT 29
US-10-995-561-63977
; Sequence 63977, Application US/10995561
; Publication No. US2005027205A1

GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ For Windows Version 4.0
; SEQ ID NO 63977
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-63977

Alignment Scores:
Pred. No.: 1.21e+06 Length: 191684
Score: 45.00 Matches: 8
Percent Similarity: 100.0% Conservative: 1
Best Local Similarity: 88.9% Mismatches: 0
Query Match: 51.7% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-121-086-2 (1-191684)

Qy 2 SerGlyProProSerGlyAlaArgArg 10
Db 47745 ACGGCCGCCCTAGGGCGAGCGG 47771

RESULT 29
US-10-995-561-63977
; Sequence 63977, Application US/10995561
; Publication No. US2005027205A1

GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ For Windows Version 4.0
; SEQ ID NO 63977
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-63977

Alignment Scores:
Pred. No.: 1.1e+03 Length: 201
Score: 44.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 50.6% Indels: 0
DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-995-561-63977 (1-201)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
Db 127 TACCGGGTACCCACGGCTGCGTGTGCGTCATGT 165

RESULT 30
US-11-124-367A-1731/c
; Sequence 1731, Application US/11124167A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with Fibroblast Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT FILING DATE: 2005-05-09
; PRIORITY APPLICATION NUMBER: US/11/124,367A
; PRIORITY FILING DATE: 2004-05-07
; PRIORITY APPLICATION NUMBER: US 60/568,846
; CURRENT FILING DATE: 2005-05-04
; PRIORITY APPLICATION NUMBER: US 60/582,609

RESULT 28
US-11-121-086-2
; Sequence 2, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138-6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIORITY FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 66
; LENGTH: 163162
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-66

Alignment Scores:
Pred. No.: 1.03e+06 Length: 163162
Score: 45.00 Matches: 8
Percent Similarity: 66.7% Conservative: 0
Best Local Similarity: 66.7% Mismatches: 4
Query Match: 51.7% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-121-086-66 (1-163162)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCysty 14
Db 54738 GCCCRACTCTCCGAGGTGCTGTAC 54773

PRIOR FILING DATE: 2004-06-25
 PRIOR APPLICATION NUMBER: US 60/599,554
 PRIOR FILING DATE: 2004-08-19
 NUMBER OF SEQ ID NOS: 34460
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 1731
 LENGTH: 201
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-11-124-367A-1731

Alignment Scores:
 Pred. No.: 1.1e+03 Length: 201
 Score: 44.00 Matches: 7
 Percent Similarity: 72.7% Conservative: 1
 Best Local Similarity: 63.6% Mismatches: 3
 Query Match: 50.6% Indels: 0
 DB: 11 GGGCCTCAGGGACACSCCGCTTGGCTTGC 169

RESULT 31
 US-11-124-367A-1741 (1-201)
 Sequence 1741, Application US/11-124-367A-1741
 Publication No. US20060024700A1
 GENERAL INFORMATION:
 APPLICANT: Michele Cargill
 APPLICANT: Hongjin Huang
 TITLE OF INVENTION: Generic Polymorphisms Associated with
 TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
 FILE REFERENCE: CL001519.ORD

CURRENT APPLICATION NUMBER: US/11-124-367A
 CURRENT FILING DATE: 2005-05-09
 PRIOR APPLICATION NUMBER: US 60/568,846
 PRIOR FILING DATE: 2004-05-07
 PRIOR APPLICATION NUMBER: US 60/582,609
 PRIOR FILING DATE: 2004-06-25
 PRIOR APPLICATION NUMBER: US 60/599,554
 PRIOR FILING DATE: 2004-08-09
 NUMBER OF SEQ ID NOS: 34460
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 1741
 LENGTH: 201
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-11-124-367A-1741

Alignment Scores:
 Pred. No.: 1.1e+03 Length: 201
 Score: 44.00 Matches: 7
 Percent Similarity: 72.7% Conservative: 1
 Best Local Similarity: 63.6% Mismatches: 3
 Query Match: 50.6% Indels: 0
 DB: 11 GGGCCTCAGGGACACSCCGCTTGGCTTGC 169

RESULT 32
 US-11-124-367A-1750/C
 Sequence 1750, Application US/11-124-367A
 Publication No. US20060024700A1
 GENERAL INFORMATION:
 APPLICANT: Michele Cargill
 APPLICANT: Hongjin Huang
 TITLE OF INVENTION: Generic Polymorphisms Associated with

; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
 ; FILE REFERENCE: CL001519.ORD
 ; CURRENT APPLICATION NUMBER: US/11-124-367A
 ; CURRENT FILING DATE: 2005-05-09
 ; PRIOR APPLICATION NUMBER: US 60/568,846
 ; PRIOR FILING DATE: 2004-05-07
 ; PRIOR APPLICATION NUMBER: US 60/582,609
 ; PRIOR FILING DATE: 2004-06-25
 ; NUMBER OF SEQ ID NOS: 34460
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 1750
 ; LENGTH: 201
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-11-124-367A-1750

Alignment Scores:
 Pred. No.: 1.1e+03 Length: 201
 Score: 44.00 Matches: 7
 Percent Similarity: 72.7% Conservative: 1
 Best Local Similarity: 63.6% Mismatches: 3
 Query Match: 50.6% Indels: 0
 DB: 11 GGGCCTCAGGGACACSCCGCTTGGCTTGC 169

RESULT 33
 US-10-467-657-2637
 Sequence 2637, Application US/10467657
 Publication No. US20050260581A1
 GENERAL INFORMATION:
 APPLICANT: CHIRON SPA
 APPLICANT: FONTANA, Maria Rita
 APPLICANT: PIZZA, Mariagrazia
 APPLICANT: MASIGNANI, Vega
 APPLICANT: MONACI, Elisabeta
 TITLE OF INVENTION: GONOCOCAL PROTEINS AND NUCLEIC ACIDS
 FILE REFERENCE:
 CURRENT APPLICATION NUMBER: US/10/467,657
 CURRENT FILING DATE: 2005-08-11
 PRIOR APPLICATION NUMBER: GB-0103424.8
 PRIOR FILING DATE: 2001-02-12
 NUMBER OF SEQ ID NOS: 9218
 SOFTWARE: Seqwin99, version 1.04
 SEQ ID NO: 2637
 LENGTH: 732
 TYPE: DNA
 ORGANISM: Neisseria gonorrhoeae
 US-10-467-657-2637

Alignment Scores:
 Pred. No.: 4.45e+03 Length: 732
 Score: 44.00 Matches: 7
 Percent Similarity: 81.8% Conservative: 2
 Best Local Similarity: 63.6% Mismatches: 2
 Query Match: 50.6% Indels: 0
 DB: 7 GGGCCTCAGGGACACSCCGCTTGGCTTGC 169

SWOP-018-SEQ1 (1-15) x US-10-467-657-2637 (1-732)

Qy 4 GlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 477 CCAAAATCAAGGCAAAGGGCAAACTGCTT 509

RESULT 34
 US-11-055-822-151
 Sequence 151, Application US/11055822

Publication No. US20050260707A1
 GENERAL INFORMATION:
 APPLICANT: Pompejus, Markus
 APPLICANT: Kroger, Burkhard
 APPLICANT: Schroder, Hartwig
 APPLICANT: Zeider, Oskar
 APPLICANT: Haberhauer, Gregor
 TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
 FILE REFERENCE: BGI-121CFCN
 CURRENT APPLICATION NUMBER: US/11/055, 822
 PRIOR APPLICATION NUMBER: 2005-02-11
 PRIOR FILING DATE: 2005-02-11
 PRIOR APPLICATION NUMBER: 09/606, 740
 PRIOR FILING DATE: 2000-06-23
 PRIOR APPLICATION NUMBER: 60/141, 031
 PRIOR FILING DATE: 1999-06-25
 PRIOR APPLICATION NUMBER: 60/142, 101
 PRIOR FILING DATE: 1999-07-02
 PRIOR APPLICATION NUMBER: 60/148, 613
 PRIOR FILING DATE: 1999-08-12
 PRIOR APPLICATION NUMBER: 60/187, 970
 PRIOR FILING DATE: 2000-03-09
 PRIOR APPLICATION NUMBER: DE 19930476.9
 PRIOR FILING DATE: 1999-07-01
 PRIOR APPLICATION NUMBER: DE 19931415.2
 PRIOR FILING DATE: 1999-07-08
 PRIOR APPLICATION NUMBER: DE 19931418.7
 PRIOR FILING DATE: 1999-07-08
 PRIOR APPLICATION NUMBER: DE 19931419.5
 PRIOR FILING DATE: 1999-07-08
 PRIOR APPLICATION NUMBER: DE 19931420.9
 PRIOR FILING DATE: 1999-07-08
 PRIOR FILING DATE: 1999-07-08
 REMAINING PRIOR APPLICATION DATA REMOVED - See File Wrapper or PAM.
 NUMBER OF SEQ ID NOS: 1158
 SEQ ID NO: 151
 LENGTH: 1251
 TYPE: DNA
 ORGANISM: Corynebacterium glutamicum
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (101)..(1228)
 OTHER INFORMATION: RXA02176
 US-11-055-822-151

Alignment Scores:
 Pred. No.: 7.92e+03 Length: 1251
 Score: 44.00 Matches: 7
 Percent Similarity: 80.0% Conservative: 1
 Best Local Similarity: 70.0% Mismatches: 2
 Query Match.: 50.6% Indels: 0
 DB: 499 CCCACAGGCAATCGAAGGCCGATGTAT 528 Gaps: 0

RESULT 35
 SWOP-018-SEQ1 (1-15) x US-11-055-822-151 (1-1251)
 US-11-124-367A-101/c
 Sequence 101, Application US/11/24367A
 Publication No. US2005024700A1
 GENERAL INFORMATION:
 APPLICANT: Michele Cargill
 APPLICANT: Hongjin Huang
 TITLE OF INVENTION: Genetic Polymorphisms Associated with
 FILE REFERENCE: CL001519.ORD
 CURRENT FILING DATE: 2005-05-09
 PRIOR APPLICATION NUMBER: US 60/568, 846
 PRIOR FILING DATE: 2004-05-07
 PRIOR APPLICATION NUMBER: US 60/582, 609

PRIOR FILING DATE: 2004-06-25
 PRIOR APPLICATION NUMBER: US 60/599, 554
 PRIOR FILING DATE: 2004-08-09
 SEQ ID NO: 101
 LENGTH: 1748
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 101
 Length: 1748
 Matches: 7
 Conservative: 1
 Mismatches: 3
 Indels: 0
 Gaps: 0

Alignment Scores:
 Pred. No.: 1.14e+04
 Score: 44.00
 Percent Similarity: 72.7%
 Best Local Similarity: 63.6%
 Query Match: 50.6%
 DB: 11

RESULT 36
 SWOP-018-SEQ1 (1-15) x US-11-124-367A-101 (1-1748)
 Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13
 Db 765 GGGCTTCAGCAGGACACGCCCTTGCCTTGC 733

Alignment Scores:
 Pred. No.: 1.14e+04
 Score: 44.00
 Percent Similarity: 72.7%
 Best Local Similarity: 63.6%
 Query Match: 50.6%
 DB: 11

RESULT 37
 SWOP-018-SEQ1 (1-15) x US-11-124-367A-100 (1-1798)
 Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13
 Db 815 GGGCTTCAGCAGGACACGCCCTTGCCTTGC 783

Alignment Scores:
 Pred. No.: 1.17e+04
 Score: 44.00
 Percent Similarity: 72.7%
 Best Local Similarity: 63.6%
 Query Match: 50.6%
 DB: 11

RESULT 37
 SWOP-018-SEQ1 (1-15) x US-11-124-367A-99/c
 US-11-124-367A-99/c
 Sequence 99, Application US/11/24367A
 Publication No. US2005024700A1
 GENERAL INFORMATION:
 APPLICANT: Michele Cargill
 APPLICANT: Hongjin Huang
 TITLE OF INVENTION: Genetic Polymorphisms Associated with
 FILE REFERENCE: CL001519.ORD
 CURRENT FILING DATE: 2005-05-09
 PRIOR APPLICATION NUMBER: US 60/568, 846
 PRIOR FILING DATE: 2004-05-07
 PRIOR APPLICATION NUMBER: US 60/582, 609

! TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
! FILE REFERENCE: CL001519.ORD
! CURRENT FILING DATE: US-11-124-367A
! PRIORITY NUMBER: US 2005-05-09
! PRIORITY NUMBER: US 60/566,846
! PRIORITY NUMBER: 2005-05-07
! PRIORITY NUMBER: US 60/582,609
! PRIORITY NUMBER: US 60/599,554
! PRIORITY NUMBER: US 60/599,554
! PRIORITY NUMBER: US 60/599,554
! NUMBER OF SEQ ID NOS: 34450
! SOFTWARE: PastSeq For Windows Version 4.0
! SEQ ID NO: 99
! LENGTH: 295
! TYPE: DNA
! ORGANISM: Homo Sapiens
US-11-124-367A-99

Alignment Scores:
Pred. No.: 1.74e+04 Length: 2595
Score: 44.00 Matches: 7
Percent Similarity: 72.7% Conservative: 1
Best Local Similarity: 63.6% Mismatches: 3
Query Match: 50.6% DB:
DB: 50.6% Indels: 0
Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-124-367A-99 (1-2595)
Qy 3 GlyProProSerGlyAlaArgArgArgArgAsnCys 13
Db 1612 GGGCCTCACCGAGAACGCCGTTGCGTGC 1580

RESULT 38
US-11-136-527-2431/C
Sequence 2431, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11136-527
CURRENT FILING DATE: 2005-05-25
PRIORITY NUMBER: US 60/574,294
PRIORITY NUMBER: US 60/52830
PRIORITY NUMBER: PatentIn version 3.2
SEQ ID NO: 2431
LENGTH: 5093
TYPE: DNA
ORGANISM: Rattus norvegicus
US-11-136-527-2431

Alignment Scores:
Pred. No.: 3.6e+04 Length: 5093
Score: 44.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 50.6% DB:
DB: 50.6% Indels: 0
Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-2431 (1-5093)
Qy 2 SerGlyProProSerGlyAlaArgArgArgArgAsnCys 13
Db 3224 ACTGGCCCTCCGAGGCCGAGCACACTGT 3189

RESULT 39
US-11-136-527-2395
Sequence 2395, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth

! APPLICANT: Mounts, William M
! TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
! FILE REFERENCE: 031896-041000 (AM101086)
! CURRENT APPLICATION NUMBER: US/11-136-527
! CURRENT FILING DATE: 2005-05-25
! PRIORITY NUMBER: US 60/574,294
! PRIORITY FILING DATE: 2005-05-26
! NUMBER OF SEQ ID NOS: 362830
! SOFTWARE: PatentIn version 3.2
! SEQ ID NO: 2395
! LENGTH: 6384
! TYPE: DNA
! ORGANISM: Rattus norvegicus
US-11-136-527-2395

Alignment Scores:
Pred. No.: 4.59e+04 Length: 6384
Score: 44.00 Matches: 7
Percent Similarity: 72.7% Conservative: 1
Best Local Similarity: 63.6% Mismatches: 3
Query Match: 50.6% DB:
DB: 50.6% Indels: 0
Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-2395 (1-6384)
Qy 4 ProProSerGlyAlaArgArgArgArgAsnCysTyr 14
Db 30 CCGCCGTTGACCCGCCGCCGCTGCCAT 62

RESULT 40
US-10-995-561-13368
Sequence 13368, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: PastSeq for Windows Version 4.0
SEQ ID NO: 13368
LENGTH: 70513
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-13368

Alignment Scores:
Pred. No.: 5.97e+05 Length: 70513
Score: 44.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 50.6% DB:
DB: 50.6% Indels: 0
Gaps: 7

SWOP-018-SEQ1 (1-15) x US-10-995-561-13368 (1-70513)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgArgAsnCys 13
Db 36258 TACACGGTACCCACGGGCTGACGTTGCGTGT 36296

Search completed: February 13, 2006, 18:07:51
Job time : 434 secs

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 850 TACAGGGCCCCGAGGGCGCCGGCGGAACtGCTACGAA 894

RESULT 2
 US-10-723-860-7932
 ; Sequence 7932, Application US-10723860
 ; Publication No. US20040233606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Aziz, Natasha
 ; APPLICANT: Ginsburg, Wendy M.
 ; APPLICANT: Ziltnik, Albert M.
 ; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators
 ; FILE REFERENCE: 05882.0193.NPUS01
 ; CURRENT APPLICATION NUMBER: US-10/723, 860
 ; PRIORITY NUMBER: 60/1429, 739
 ; PRIOR FILING DATE: 2002-11-26
 ; NUMBER OF SEQ ID NOS: 8393
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 7932
 ; LENGTH: 2744
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (2534) . (2743)
 ; OTHER INFORMATION: n is a, c, g, or t
 US-10-723-860-7932

Alignment Scores:
 Pred. No.: 0 000395 Length: 2744
 Score: 87.00 Matches: 15
 Percent Similarity: 100.0% Conservativeness: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 100.0% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-723-860-7932 (1-2744)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 880 TACAGGGCCCCGAGGGCGCCGGCGGAACtGCTACGAA 944

RESULT 3
 US-10-73-126-45
 ; Sequence 126, Application US-10473126
 ; Publication No. US20040234973A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Epigenomics AG
 ; TITLE OF INVENTION: Methods and nucleic acids for the analysis of hematopoietic cell
 ; TITLE OF INVENTION: proliferative disorders
 ; FILE REFERENCE:
 ; CURRENT APPLICATION NUMBER: US-10/473, 126
 ; CURRENT FILING DATE: 2003-09-26
 ; NUMBER OF SEQ ID NOS: 1258
 ; SEQ ID NO: 45
 ; LENGTH: 3025
 ; TYPE: DNA
 ; ORGANISM: Homo Sapiens
 US-10-473-126-45

Alignment Scores:
 Pred. No.: 0 000435 Length: 3025
 Score: 87.00 Matches: 15
 Percent Similarity: 100.0% Conservativeness: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 100.0% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-473-126-45 (1-3025)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 1761 TACAGGGCCCCGAGGGCGCCGGCGGAACtGCTACGAA 1805

RESULT 4
 US-10-473-126-183
 ; Sequence 183, Application US-10473126
 ; Publication No. US20040234973A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Epigenomics AG
 ; TITLE OF INVENTION: Methods and nucleic acids for the analysis of hematopoietic cell
 ; FILE REFERENCE:
 ; CURRENT APPLICATION NUMBER: US-10/473, 126
 ; CURRENT FILING DATE: 2003-09-26
 ; NUMBER OF SEQ ID NOS: 1258
 ; SEQ ID NO: 183
 ; LENGTH: 3025
 ; TYPE: DNA
 ; FEATURE:
 ; ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-10-473-126-183

Alignment Scores:
 Pred. No.: 2.81 Length: 3025
 Score: 64.00 Matches: 12
 Percent Similarity: 80.0% Conservativeness: 0
 Best Local Similarity: 80.0% Mismatches: 3
 Query Match: 73.6% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-473-126-183 (1-3025)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 1761 TACAGGGCCCCGAGGGCGCCGGCGGAACtGCTACGAA 1805

RESULT 5
 US-10-492-901-7
 ; Sequence 7, Application US-10492901
 ; Publication No. US2005054091A1
 ; GENERAL INFORMATION:
 ; APPLICANT: The Government of the United States of America, as represented by the Secretary of the Department of Health and Human Services
 ; APPLICANT: Sartorelli, Vittorio
 ; APPLICANT: Puric, Pier
 ; APPLICANT: Software, PatentIn version 3.2
 ; SEQ ID NO: 7
 ; LENGTH: 1849
 ; ORGANISM: Mus musculus

US-10-492-901-7

US-10-492-901-7
 ; Sequence 7, Application US-10492901
 ; Publication No. US2005054091A1
 ; GENERAL INFORMATION:
 ; APPLICANT: The Government of the United States of America, as represented by the Secretary of the Department of Health and Human Services
 ; APPLICANT: Sartorelli, Vittorio
 ; APPLICANT: Puric, Pier
 ; APPLICANT: Software, PatentIn version 3.2
 ; SEQ ID NO: 7
 ; LENGTH: 1849
 ; ORGANISM: Mus musculus

SWOP-018-SEQ1 (1-15) x US-10-492-901-7 (1-1849)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgAsnCystyrglu 15

Db 825 TACAGGGCCCCAACGCCCCAGCAGATGGCTACGAC 869

RESULT 6

US-10-473-126-184/c

; Sequence 184, Application US/10473126

; Publication No. US20040234973A1

; GENERAL INFORMATION:

; APPLICANT: Epigenomics AG

; TITLE OF INVENTION: Methods and nucleic acids for the analysis of hematopoietic cell

; TITLE OF INVENTION: proliferative disorders

; FILE REFERENCE:

; CURRENT APPLICATION NUMBER: US/10/473,126

; CURRENT FILING DATE: 2003-09-26

; NUMBER OF SEQ ID NOS: 1258

; SEQ ID NO: 184

; LENGTH: 3025

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-473-126-184

Alignment Scores:

Pred. No.:	59.3	Length:	3025
Score:	56.00	Matches:	10
Percent Similarity:	80.0%	Conservative:	10
Best Local Similarity:	66.7%	Mismatches:	3
Query Match:	64.4%	Indels:	0
DB:	8	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-10-473-126-184 (1-3025)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgAsnCystyrglu 15

Db 1265 TACAAGGACCCCCGAAAGCAGCCCCAGAGAACTACGAA 1221

RESULT 7

US-10-425-115-124483

; Sequence 124483, Application US/10425115

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants

; FILE REFERENCE: 38-21(53222)B

; CURRENT APPLICATION NUMBER: US/10/425,115

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 369326

; SEQ ID NO: 124483

; LENGTH: 461

; TYPE: DNA

; FEATURE:

; OTHER INFORMATION: Clone ID: MRT4577_45006C.1

US-10-425-115-124483

Alignment Scores:

Pred. No.:	28.7	Length:	461
Score:	53.00	Matches:	9
Percent Similarity:	90.0%	Conservative:	0
Best Local Similarity:	90.0%	Mismatches:	1
Query Match:	60.9%	Indels:	0
DB:	8	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-10-425-115-124483 (1-461)

Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13

Db 313 CCGCGTCGGGAGGCGACGAACTGCG 342

RESULT 8

US-10-764-420-2046/c

; Sequence 2046, Application US/10764420

; Publication No. US20050084872A1

; GENERAL INFORMATION:

; APPLICANT: Lum, Pek Yee

; APPLICANT: Tam, Yeyun

; APPLICANT: Dai, Hongyue

; TITLE OF INVENTION: Methods For Determining Whether An Agent Possesses A Defined Biological Activity

; FILE REFERENCE: ROSA122057

; CURRENT APPLICATION NUMBER: US/10/764,420

; CURRENT FILING DATE: 2004-01-23

; PRIOR APPLICATION NUMBER: US 60/442,797

; PRIOR FILING DATE: 2003-01-24

; PRIOR APPLICATION NUMBER: US 60/474,413

; PRIOR FILING DATE: 2003-05-30

; NUMBER OF SEQ ID NOS: 3653

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 2046

; LENGTH: 1349

; TYPE: DNA

; ORGANISM: Mus musculus

US-10-764-420-2046

Alignment Scores:

Pred. No.:	83.4	Length:	1349
Score:	53.00	Matches:	9
Percent Similarity:	84.6%	Conservative:	2
Best Local Similarity:	69.2%	Mismatches:	2
Query Match:	60.9%	Indels:	0
DB:	9	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-10-764-420-2046 (1-1349)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgAsnCys 13

Db 65 TGGTCGGCGCTCCCTAGGGCGCCGAGGGCCCTGCG 27

RESULT 9

US-10-357-930-12548/c

; Sequence 12548, Application US/10357930

; Publication No. US20040259086A1

; GENERAL INFORMATION:

; APPLICANT: Schlegel, Robert

; APPLICANT: Endgege, Wilson

; APPLICANT: Moahan, John

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF HUMAN PROSTATE CANCER

; FILE REFERENCE: MRI-007BCN

; CURRENT APPLICATION NUMBER: US/10/357,930

; CURRENT FILING DATE: 2003-02-04

; PRIOR APPLICATION NUMBER: 09/785,276

; PRIOR FILING DATE: 2003-02-16

; PRIOR APPLICATION NUMBER: 60/183,319

; PRIOR FILING DATE: 2000-02-17

; PRIOR APPLICATION NUMBER: 60/189,862

; PRIOR FILING DATE: 2000-03-16

; PRIOR APPLICATION NUMBER: 60/207,454

; PRIOR FILING DATE: 2000-05-25

; PRIOR APPLICATION NUMBER: 60/211,314

; PRIOR FILING DATE: 2000-06-09

; PRIOR APPLICATION NUMBER: 60/219,007

; PRIOR FILING DATE: 2000-07-18

; PRIOR APPLICATION NUMBER: 60/255,281

; PRIOR FILING DATE: 2000-12-13

; NUMBER OF SEQ ID NOS: 62232

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 12548

LENGTH: 542

TYPE: DNA

ORGANISM: Homo sapiens

US-10-357-330-12548

Alignment Scores:

Pred. No. :	49.3	Length:	542
Score:	52.00	Matches:	8
Percent Similarity:	71.4%	Conservative:	2
Best Local Similarity:	57.1%	Mismatches:	4
Query Match:	59.8%	Indels:	0
DB:	8	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-10-357-930-12548 (1-542)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCystYR 14

Db 316 CACTCGGGccccccCTCCGAAGGTCGAACTGTTAT 275

RESULT 10

US-10-912-079-71829

Sequence 71829, Application US/10972079

Publication No. US20050153317A1

GENERAL INFORMATION:

APPLICANT: MMI GENOMICS, INC.

APPLICANT: DENISE, Sue K.

APPLICANT: ROSENFIELD, David

APPLICANT: KERR, Richard

APPLICANT: BATES, Stephen

APPLICANT: HOLM, Tom

TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEEF LIVESTOCK

FILE REFERENCE: MM1110-2

CURRENT FILING DATE: 2004-10-22

PRIOR APPLICATION NUMBER: US 60/514,333

PRIOR FILING DATE: 2003-10-24

NUMBER OF SEQ ID NOS: 96631

SOFTWARE: PATENTIN version 3.1

SEQ ID NO 71829

LENGTH: 600

TYPE: DNA

ORGANISM: Chicken

US-10-972-079-71829

Alignment Scores:

Pred. No. :	54.6	Length:	600
Score:	52.00	Matches:	8
Percent Similarity:	86.7%	Conservative:	5
Best Local Similarity:	53.3%	Mismatches:	2
Query Match:	59.8%	Indels:	0
DB:	9	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-10-972-079-71829 (1-600)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCystYR 15

Db 357 TTCTCTGGCTCTAGAAATGCCAGAACAGGGAAATTGTTACCAAG 401

RESULT 11

US-10-282-1122A-13812

Sequence 13812, Application US/10282112A

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu

APPLICANT: Zamudio, Carlos

APPLICANT: Malone, Cheryl

APPLICANT: Hasebeck, Robert

APPLICANT: Ohlsen, Kari

APPLICANT: Zyskind, Judith

APPLICANT: Wall, Daniel

APPLICANT: Tramwick, John

APPLICANT: Carr, Grant

APPLICANT: Yamamoto, Robert

APPLICANT: Forsyth, R.

APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

FILE REFERENCE: ELITRA.034A

CURRENT APPLICATION NUMBER: US/10/282,122A

CURRENT FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/230,325

PRIOR FILING DATE: 2000-06-06

PRIOR APPLICATION NUMBER: 60/230,347

PRIOR FILING DATE: 2000-06-09

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/267,636

PRIOR FILING DATE: 2001-02-09

PRIOR FILING DATE: 2001-02-16

Remaining Prior Application data removed - See File Wrapper or PAML.

NUMBER OF SEQ ID NOS: 78614

SOFTWARE: Patentin version 3.1

SEQ ID NO 13812

LENGTH: 2358

TYPE: DNA

ORGANISM: Burkholderia mallei

US-10-282-122A-13812

Alignment Scores:

Pred. No. :	213	Length:	2358
Score:	52.00	Matches:	9
Percent Similarity:	91.7%	Conservative:	2
Best Local Similarity:	75.0%	Mismatches:	1
Query Match:	59.8%	Indels:	0
DB:	7	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-10-282-122A-13812 (1-2358)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13

Db 1283 AGGGCGGCCAGGCGCTCGGGAGGCCATCGTGC 1318

RESULT 12

US-10-501-282-3109/c

GENERAL INFORMATION:

APPLICANT: MCMICHAEL, JOHN CALHOUN

APPLICANT: ZAGURSKY, ROBERT JOHN

APPLICANT: RUSSELL, DAVID PARRISH

APPLICANT: FLETCHER, LEAH DIANE

TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF

FILE REFERENCE: AM100780 L2

CURRENT APPLICATION NUMBER: US/10/501,282

CURRENT FILING DATE: 2004-07-09

PRIOR APPLICATION NUMBER: 60/333,777

PRIOR FILING DATE: 2001-11-29

PRIOR APPLICATION NUMBER: 60/426,742

PRIOR FILING DATE: 2002-11-18

PRIOR APPLICATION NUMBER: PCT/US02/36123

PRIOR FILING DATE: 2002-11-25

NUMBER OF SEQ ID NOS: 6653

SWOP-018-seq1.rnpbm

SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 3109
 TYPE: DNA
 ORGANISM: *Alloioococcus otitidis*
 NAME/KEY: CDS
 LOCATION: (19)..(600)
 US-10-501-282-3109

Alignment Scores:
 Pred. No.: 80.3 Length: 603
 Score: 51.00 Matches: 9
 Percent Similarity: 66.7% Conservative: 1
 Best Local Similarity: 60.0% Mismatches: 5
 Query Match: 58.6% Indels: 0
 DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-501-282-3109 (1-603)

Qy 1 Tyr Ser Gly Pro Pro Ser Gly Ala Arg Arg Arg Asn Cyst Tyr Glu 15
 Db 418 TATAGTGACAAAAAAAGCTCACGGCACCGCCAAATGCTTATCAA 374

RESULT 13
 US-10-501-282-3111/c

Sequence 3111, Application US/10501282
 Publication No. US20050203280A1

GENERAL INFORMATION:
 APPLICANT: MCMICHAEL, JOHN CALHOUN
 APPLICANT: ZAGURSKY, ROBERT JOHN
 APPLICANT: RUSSELL, DAVID PARTRISH
 APPLICANT: FLETCHER, LEAH DIANE

TITLE OF INVENTION: ALLOIOOCOCUS OTITIDIS OPEN READING FRAMES (ORFs) ENCODING POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF

TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF

FILE REFERENCE: AM100780 L2
 CURRENT APPLICATION NUMBER: US/10/501, 282
 CURRENT FILING DATE: 2004-07-09
 PRIOR APPLICATION NUMBER: 60/333, 777
 PRIOR FILING DATE: 2001-11-29
 PRIOR APPLICATION NUMBER: 60/426, 742
 PRIOR FILING DATE: 2000-11-18
 PRIOR APPLICATION NUMBER: PCT/US02/36123
 PRIOR FILING DATE: 2002-11-25
 NUMBER OF SEQ ID NOS: 6653
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 3111 LENGTH: 603
 TYPE: DNA
 ORGANISM: *Alloioococcus otitidis*

Alignment Scores:
 Pred. No.: 80.3 Length: 603
 Score: 51.00 Matches: 9
 Percent Similarity: 66.7% Conservative: 1
 Best Local Similarity: 60.0% Mismatches: 5
 Query Match: 58.6% Indels: 0
 DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-501-282-3111 (1-603)

Qy 1 Tyr Ser Gly Pro Pro Ser Gly Ala Arg Arg Arg Asn Cyst Tyr Glu 15
 Db 418 TATAGTGACAAAAAAAGCTCACGGCACCGCCAAATGCTTATCAA 374

RESULT 14
 US-10-128-714-2252
 Sequence 2252, Application US/10128714
 Publication No. US20030119013A1

GENERAL INFORMATION:
 APPLICANT: Jiang, Bo
 APPLICANT: Hu, Wengi
 APPLICANT: Tishkoff, Daniel
 APPLICANT: Zamudio, Carlos
 APPLICANT: Eroshkin, Alexey M
 APPLICANT: Lemieux, Sebastien M
 TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and Methods of Use
 FILE REFERENCE: 10182-018-999
 CURRENT APPLICATION NUMBER: US/10/128,714
 CURRENT FILING DATE: 2002-04-23
 PRIOR APPLICATION NUMBER: US 60/285,697
 PRIOR FILING DATE: 2001-04-23
 PRIOR APPLICATION NUMBER: US 60/287,066
 PRIOR FILING DATE: 2001-04-27
 PRIOR APPLICATION NUMBER: US 60/295,890
 PRIOR FILING DATE: 2001-06-05
 PRIOR APPLICATION NUMBER: US 60/303,899
 PRIOR FILING DATE: 2001-07-09
 PRIOR APPLICATION NUMBER: US 60/316,362
 PRIOR FILING DATE: 2001-08-31
 NUMBER OF SEQ ID NOS: 8603
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 7252

Alignment Scores:
 Pred. No.: 114 Length: 855
 Score: 51.00 Matches: 9
 Percent Similarity: 90.0% Conservative: 0
 Best Local Similarity: 90.0% Mismatches: 1
 Query Match: 58.6% Indels: 0
 DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-128-714-2252 (1-855)

Qy 4 Pro Pro Ser Gly Ala Arg Arg Arg Asn Cys 13
 Db 497 CCACCGAGTGGTGGAGAAGGGAACTGC 526

RESULT 15
 US-10-128-714-7252
 Sequence 7252, Application US/10128714
 Publication No. US20030119013A1

GENERAL INFORMATION:
 APPLICANT: Jiang, Bo
 APPLICANT: Hu, Wengi
 APPLICANT: Tishkoff, Daniel
 APPLICANT: Zamudio, Carlos
 APPLICANT: Eroshkin, Alexey M
 APPLICANT: Lemieux, Sebastien M
 TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and Methods of Use
 FILE REFERENCE: 10182-018-999
 CURRENT APPLICATION NUMBER: US/10/128,714
 CURRENT FILING DATE: 2002-04-23
 PRIOR APPLICATION NUMBER: US 60/285,697
 PRIOR FILING DATE: 2001-04-23
 PRIOR APPLICATION NUMBER: US 60/287,066
 PRIOR FILING DATE: 2001-04-27
 PRIOR APPLICATION NUMBER: US 60/295,890
 PRIOR FILING DATE: 2001-06-05
 PRIOR APPLICATION NUMBER: US 60/303,899
 PRIOR FILING DATE: 2001-07-09
 PRIOR APPLICATION NUMBER: US 60/316,362
 PRIOR FILING DATE: 2001-08-31
 NUMBER OF SEQ ID NOS: 8603
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 7252

```

/ LENGTH: 855
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
; US-10-128-714-7252

Alignment Scores:
Pred. No.: 114 Length: 855
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-128-714-7252 (1-855)
RESULT 16
; Sequence 1252, Application US/10128714
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Wengi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Lemieux, Sébastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 6252
; LENGTH: 908
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
US-10-128-714-6252

Alignment Scores:
Pred. No.: 121 Length: 908
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-128-714-6252 (1-908)
RESULT 17
; Sequence 6252, Application US/10128714
; GENERAL INFORMATION:
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Hu, Wengi
; APPLICANT: Lemieux, Sébastien M
; APPLICANT: Zamudio, Carlos
; APPLICANT: Lemieux, Sébastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,397
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1252
; LENGTH: 908
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
US-10-128-714-1252

Alignment Scores:
Pred. No.: 121 Length: 908
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-128-714-1252 (1-908)
RESULT 17
; Sequence 6252, Application US/10128714
; GENERAL INFORMATION:
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Hu, Wengi
; APPLICANT: Lemieux, Sébastien M
; APPLICANT: Zamudio, Carlos
; APPLICANT: Lemieux, Sébastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2003-10-07
; PRIOR APPLICATION NUMBER: FR 0212489
; PRIOR FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: FR 0302439
; PRIOR FILING DATE: 2003-02-27
; PRIOR APPLICATION NUMBER: US 60/453,490
; PRIOR FILING DATE: 2003-08-07
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 76
; LENGTH: 1233

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; TYPE: DNA
; ORGANISM: Streptomyces ambofaciens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1233)
; CURRENT APPLICATION NUMBER: US-10-680-860A-76

Alignment Scores:
Pred. No.: 164 Length: 1233
Score: 51.00 Matches: 8
Percent Similarity: 83.3% Conservative: 2
Best Local Similarity: 66.7% Mismatches: 2
Query Match: 58.6% Indels: 0
DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-680-860A-76 (1-1233)
Qy 3 GLYProProSerGlyAlaArgArgArgAsnCysTyr 14
Db 292 GTCACCAAGCGGGACGGGACCTGCCAT 257

RESULT 19
; Sequence 7794, Application US-10450763
; Publication No. US20050196734A1
; GENERAL INFORMATION:
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: '90C1P3/US
; CURRENT APPLICATION NUMBER: US-10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US1/00631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; SOFTWARE: Custom
; NUMBER OF SEQ ID NOS: 60736
; SEQ ID NO: 7794
; LENGTH: 1865
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (27)..(284)
; OTHER INFORMATION: 60% homologous to Homo sapiens SRB7, accession number
; OTHER INFORMATION: U46337, Smith-Waterman Score:218.
US-10-450-763-7794

Alignment Scores:
Pred. No.: 247 Length: 1865
Score: 51.00 Matches: 8
Percent Similarity: 73.3% Conservative: 3
Best Local Similarity: 53.3% Mismatches: 4
Query Match: 58.6% Indels: 0
DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-450-763-7794 (1-1865)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyr 15
Db 459 TTCACTGGATACATGGGCTTGAGAAAGGAACTGTTGAG 503

RESULT 20
; Sequence 48056, Application US-10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21-(53221)B
; CURRENT APPLICATION NUMBER: US-10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO: 48056
; LENGTH: 2328
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_50768C.1
; OTHER INFORMATION: US-10-437-963-48056

Alignment Scores:
Pred. No.: 308 Length: 2328
Score: 51.00 Matches: 9
Percent Similarity: 75.0% Conservative: 0
Best Local Similarity: 75.0% Mismatches: 3
Query Match: 58.6% Indels: 0
DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-437-963-48056 (1-2328)
Qy 4 ProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
Db 194 CCTCCATTCGGCGAAAGGAACTGCTAGATAAGA 159

RESULT 21
; Sequence 252, Application US-10128714
; Publication No. US2003119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Wengqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroshkin, Alexey M
; APPLICANT: Lemieux, Sébastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US-10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/190,341
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 6603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 252
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
; OTHER INFORMATION: US-10-128-714-252

Alignment Scores:
Pred. No.: 384 Length: 2908
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5 Gaps: 0

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SWOP-018-SEQ1 (1-15) × US-10-128-714-252 (1-2908)

Qy 4 ProProserGlyAlaArgArgArgAsnCys 13
Db 1497 CCACCGAGTGGTGGAGAGGAACTGC 1526

RESULT 22
US-10-128-714-5252
Sequence 5252, Application US/10128714
Publication No. US20030119013A1

GENERAL INFORMATION:

APPLICANT: Jiang, Bo
APPLICANT: Hu, Wengi
APPLICANT: Tishkoff, Daniel
APPLICANT: Zamudio, Alexey M
APPLICANT: Broshkin, Alexey M
APPLICANT: Lemieux, Sébastien M

TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and Methods of Use

FILE REFERENCE: 10-82-018-999

CURRENT FILING DATE: 2002-04-23

PRIOR APPLICATION NUMBER: US/10/128,714

PRIOR FILING DATE: 2001-04-23

PRIOR APPLICATION NUMBER: US/10/285,697

PRIOR FILING DATE: 2001-04-27

PRIOR APPLICATION NUMBER: US/10/295,890

PRIOR APPLICATION NUMBER: US/10/303,899

PRIOR FILING DATE: 2001-07-09

PRIOR APPLICATION NUMBER: US/10/316,362

PRIOR FILING DATE: 2001-08-31

NUMBER OF SEQ ID NOS: 8603

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 5252

LENGTH: 2908

TYPE: DNA

ORGANISM: *Aspergillus fumigatus*
US-10-128-714-5252

Alignment Scores:
Pred. No.: 384 Length: 2908
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5

SWOP-018-SEQ1 (1-15) × US-10-128-714-5252 (1-2908)

Qy 4 ProProserGlyAlaArgArgArgAsnCys 13
Db 1497 CCACCGAGTGGTGGAGAGGAACTGC 1526

RESULT 23
US-10-680-860A-1
Sequence 1, Application US/10680860A
Publication No. US200302528A1

GENERAL INFORMATION:

APPLICANT: BLONDELET-ROUAILT, Marie-Helene
APPLICANT: DOMINGUEZ, Helene
APPLICANT: DARBON-RONGERE, Emmanuelle
APPLICANT: GERBAUD, Claude
APPLICANT: GONDRAIN, Anne
APPLICANT: KARRAY, Fatma
APPLICANT: LACROIX, Patricia
APPLICANT: OESTREICHER-MERHET-BOUVIET, Nathalie
APPLICANT: PERNODT, Jean-Luc
APPLICANT: TUPHILIE, Karine

TITLE OF INVENTION: POLYPEPTIDES INVOLVED IN THE BIOSYNTHESIS OF SPIRAMYCINS, NUCLEOTIDE SEQUENCES ENCODING THESE POLYPEPTIDES AND APPLICATIONS THEREOF

FILE REFERENCE: FRAV2002/0028 US NP

CURRENT APPLICATION NUMBER: US/10/680,860A
CURRENT FILING DATE: 2003-10-07
PRIORITY NUMBER: FR 02124489
PRIORITY FILING DATE: 2002-10-08
PRIORITY APPLICATION NUMBER: FR 0302439
PRIORITY FILING DATE: 2003-02-27
PRIORITY APPLICATION NUMBER: US 60/493,490
PRIORITY FILING DATE: 2003-08-07
NUMBER OF SEQ ID NOS: 161
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 1
LENGTH: 30943

TYPE: DNA
ORGANISM: *Streptomyces ambofaciens*
US-10-680-860A-1

Alignment Scores:
Pred. No.: 4.03e+03 Length: 30943
Score: 51.00 Matches: 8
Percent Similarity: 83.3% Conservative: 2
Best Local Similarity: 66.7% Mismatches: 2
Query Match: 58.6% Indels: 0
DB: 9

SWOP-018-SEQ1 (1-15) × US-10-680-860A-1 (1-30943)

Qy 3 GlyProProserGlyAlaArgArgArgAsnCysTr 14
Db 27157 GGTCACCAAGCGGGGACGGCGGGACCTTGCCAT 27192

RESULT 24
US-10-819-386A-1
Sequence 1, Application US/1081386A1
Publication No. US2005089884A1

GENERAL INFORMATION:

APPLICANT: Korea advanced Institute of Science and Technology
APPLICANT: Shanghai Jiao-Tong University
APPLICANT: LEE, Sang Yup
APPLICANT: DENG, ZIXIN
APPLICANT: CHEN, SHI
APPLICANT: JEONG, Ki Jun
APPLICANT: ZHOU, XIUPIN

TITLE OF INVENTION: Genes for the Synthesis of FR-008 Polyketides
FILE REFERENCE: P003-B015

CURRENT APPLICATION NUMBER: US/10/819,386A
CURRENT FILING DATE: 2004-04-06
PRIORITY NUMBER: KR10-2003-0074035
PRIORITY FILING DATE: 2003-10-23
NUMBER OF SEQ ID NOS: 28

SOFTWARE: PatentIn version 3.2
SEQ ID NO: 1
LENGTH: 138203
TYPE: DNA
ORGANISM: *Streptomyces* sp. FR-008
US-10-819-386A-1

Alignment Scores:
Pred. No.: 1.79e+04 Length: 138203
Score: 51.00 Matches: 9
Percent Similarity: 81.8% Conservative: 0
Best Local Similarity: 81.8% Mismatches: 2
Query Match: 58.6% Indels: 0
DB: 9

SWOP-018-SEQ1 (1-15) × US-10-819-386A-1 (1-138203)

Qy 3 GlyProProserGlyAlaArgArgArgAsnCys 13
Db 111620 GGCGCTCTGAGACGGCTGACCCAGCATTGC 111652

RESULT 25
US-10-501-282-6651/C

Sequence 6651, Application US/10501282
 Publication No. US20050203280A1

GENERAL INFORMATION:
 APPLICANT: MCMICHAEL, JOHN CALHOUN
 APPLICANT: ZAGURSKY, ROBERT JOHN
 APPLICANT: RUSSELL, DAVID PARISH
 APPLICANT: FLETCHER, LEAH DIANE
 TITLE OF INVENTION: ALLOOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF
 FILE REFERENCE: AMI10780 L2
 CURRENT APPLICATION NUMBER: US/10/501,282
 CURRENT FILING DATE: 2004-07-09
 PRIOR APPLICATION NUMBER: 60/426,742
 PRIOR FILING DATE: 2001-11-29
 PRIOR APPLICATION NUMBER: 60/426,742
 PRIOR FILING DATE: 2002-11-18
 PRIOR APPLICATION NUMBER: PCT/US02/36123
 PRIOR FILING DATE: 2002-11-25
 NUMBER OF SEQ ID NOS: 6653
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 6651
 LENGTH: 1754382
 TYPE: DNA
 ORGANISM: Allooccus otitidis
 US-10-501-282-6651

Alignment Scores:
 Pred. No.: 2.23e+05 Length: 1754382
 Score: 51.00 Matches: 9
 Percent Similarity: 66.7% Conservative: 1
 Best Local Similarity: 60.0% Mismatches: 5
 Query Match: 58.6% Indels: 0
 DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-501-282-6651 (1-1754382)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCystYrGlu 15
 Db 810246 TATAGTGACAAAGCTAGCAGGCCATGCTATCA 810202

RESULT 26
 US-10-305-720-285
 Sequence 285, Application US/10305720
 Publication No. US2004010136A1

GENERAL INFORMATION:
 APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
 TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
 FILE REFERENCE: PA-0002-1 CON
 CURRENT APPLICATION NUMBER: US/10/305,720
 CURRENT FILING DATE: 2002-11-26
 PRIOR APPLICATION NUMBER: 09/016,434
 PRIOR FILING DATE: 1998-01-30
 NUMBER OF SEQ ID NOS: 1490
 SOFTWARE: PBRL P-Program
 SEQ ID NO: 285
 LENGTH: 202
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No. US2004010136A1 1723064
 US-10-305-720-285

Alignment Scores:
 Pred. No.: 39.6 Length: 202
 Score: 50.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 2
 Query Match: 57.5% Indels: 0
 DB: 6 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-305-720-285 (1-202)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 132 GGCCCCCTACAGTTGGGGAGAACCTGC 164

RESULT 27
 US-10-425-115-53450
 Sequence 53450, Application US/10425115
 Publication No. US20040214272A1

GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants
 FILE REFERENCE: 38-21 (5322) B
 CURRENT APPLICATION NUMBER: US/10/425,115
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 369326
 SEQ ID NO 53450
 LENGTH: 356
 TYPE: DNA
 ORGANISM: Zea mays
 FEATURE:
 OTHER INFORMATION: Clone ID: MRT4577_148748C.1
 US-10-425-115-53450

Alignment Scores:
 Pred. No.: 69.6 Length: 356
 Score: 50.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 2
 Query Match: 57.5% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-425-115-53450 (1-356)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 37 GGCGGCCACCTGCTACGCCGCGTACCTGT 69

RESULT 28
 US-10-425-115-112349
 Sequence 112349, Application US/10425115
 Publication No. US20040214272A1

GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants
 FILE REFERENCE: 38-21 (5322) B
 CURRENT APPLICATION NUMBER: US/10/425,115
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 369326
 SEQ ID NO 112349
 LENGTH: 400
 TYPE: DNA
 ORGANISM: Zea mays
 FEATURE:
 OTHER INFORMATION: Clone ID: MRT4577_33954C.1
 US-10-425-115-112349

Alignment Scores:
 Pred. No.: 78.2 Length: 400
 Score: 50.00 Matches: 8
 Percent Similarity: 69.2% Conservative: 1
 Best Local Similarity: 61.5% Mismatches: 4
 Query Match: 57.5% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-425-115-112349 (1-400)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 163 TATGGAGGTACACCAAGGGTCTCAGACGAGATGC 201

RESULT 29
 US-09-925-065A-84486
 ; Sequence 84486, Application US/09925065A.
 ; Publication No. US20050228172A9

GENERAL INFORMATION
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 ; FILE REFERENCE: 103827.135

CURRENT APPLICATION NUMBER: US/09/925-065A
 PRIOR APPLICATION NUMBER: US 60/243,096
 PRIOR FILING DATE: 2000-10-08
 PRIOR APPLICATION NUMBER: US 60/252,147
 PRIOR FILING DATE: 2000-11-20
 PRIOR APPLICATION NUMBER: US 60/250,092
 PRIOR FILING DATE: 2000-11-30
 PRIOR APPLICATION NUMBER: US 60/261,766
 PRIOR FILING DATE: 2001-01-15
 PRIOR APPLICATION NUMBER: US 60/289,846
 PRIOR FILING DATE: 2001-05-09
 NUMBER OF SEQ ID NOS: 95/7086
 SOFTWARE: Fast-SEQ for Windows Version 4.0
 SEQ ID NO: 84486
 LENGTH: 611
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-925-065A-84486

Alignment Scores:
 Pred. No.: 119 Length: 611
 Score: 50.00 Matches: 9
 Percent Similarity: 73.3% Conservative: 2
 Best Local Similarity: 60.0% Mismatches: 4
 Query Match: 57.5% Indels: 0
 DB: 4 DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-925-065A-84486 (1-611)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 169 TACACAGGCCACCTAACACTGGCTTAACTTCTGCTATGAA 213

RESULT 30
 US-10-437-963-65811
 ; Sequence 65811, Application US/10437963
 ; Publication No. US20040123343A1

GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Wu, Wei
 ; APPLICANT: Boukharov, Andrey A.
 ; APPLICANT: Barbazuk, Brad
 ; APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Thereof for Plant Improvement
 FILE REFERENCE: 38-21(53221)B
 CURRENT APPLICATION NUMBER: US/10/437,963
 CURRENT FILING DATE: 2003-05-14
 NUMBER OF SEQ ID NOS: 204366
 SEQ ID NO: 65811
 LENGTH: 754

TYPE: DNA
 ORGANISM: Oryza sativa
 FEATURE: PEAT
 OTHER INFORMATION: Clone ID: PAT_MRT4530_66822C.1

US-10-437-963-65811
 Alignment Scores:
 Pred. No.: 147 Length: 754
 Score: 50.00 Matches: 8
 Percent Similarity: 90.9% Conservative: 2
 Best Local Similarity: 72.7% Mismatches: 1
 Query Match: 57.5% Indels: 0
 DB: 7

SWOP-018-SEQ1 (1-15) x US-10-437-963-65811 (1-754)

Qy 4 ProProSerGlyAlaArgArgArgAsnCysTyr 14
 Db 446 CCACCCACCGGGGCGGGGCGGACTGCTAC 478

RESULT 31
 US-10-425-115-75153
 ; Sequence 75153, Application US/10425115
 ; Publication No. US20040214272A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants
 ; FILE REFERENCE: 38-21(53222)B
 ; CURRENT APPLICATION NUMBER: US/10/445,115
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 369326
 ; SEQ ID NO: 75153
 ; LENGTH: 768
 ; TYPE: DNA
 ; ORGANISM: Zea mays
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: MRT4577_168570C.1

US-10-425-115-75153

Alignment Scores:
 Pred. No.: 150 Length: 768
 Score: 50.00 Matches: 9
 Percent Similarity: 75.0% Conservative: 0
 Best Local Similarity: 75.0% Mismatches: 3
 Query Match: 57.5% Indels: 0
 DB: 8 DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-425-115-75153 (1-768)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCysTyr 14
 Db 268 GGCGCGCATCGTGTGGCGGGAGGTGCTAT 303

RESULT 32
 US-11-019-829-11
 ; Sequence 11, Application US/11019829
 ; Publication No. US2005013645A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hoffmann-La Roche Inc.
 ; TITLE OF INVENTION: Novel targets for obesity from subcutaneous fat
 ; FILE REFERENCE: 22304
 ; CURRENT APPLICATION NUMBER: US/11/019,829
 ; CURRENT FILING DATE: 2004-12-22
 ; NUMBER OF SEQ ID NOS: 146
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 11
 ; LENGTH: 2472
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: atp-binding cassette, sub-family c, member 10 (ABCC10)
 ; LOCATION: (1). (2472)
 ; OTHER INFORMATION: accession No.: AL133613.1, HS .55879

Alignment Scores:
 Pred. No.: 478 Length: 2472
 Score: 50.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 1
 Query Match: 57.5% Indels: 0
 DB: 10 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-019-829-11 (1-2472)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13
 Db 988 GGCCACCTACAGGTTGAGGAGAACCTGC 1020

RESULT 33

US-10-723-860-376 Application US/10723860
 ; Publication No. US20040253606A1

; GENERAL INFORMATION:
 ; APPLICANT: Aziz, Natasha
 ; ATTORNEY OR AGENT: Ginsburg, Wendy M.
 ; APPLICANT: Ginsburg, Wendy M.
 ; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators

; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

; FILE REFERENCE: 05882.0193.NPUS01
 ; CURRENT APPLICATION NUMBER: US10/723,860
 ; CURRENT FILING DATE: 2003-11-26
 ; PRIOR APPLICATION NUMBER: 60/429,739
 ; PRIOR FILING DATE: 2002-11-26
 ; NUMBER OF SEQ ID NOS: 8393
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 376
 ; LENGTH: 5023
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-10-723-860-376

Alignment Scores:
 Pred. No.: 968 Length: 5023
 Score: 50.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 2
 Query Match: 57.5% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-723-860-376 (1-5023)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13
 Db 3577 GGCCACCTACAGGTTGAGGAGAACCTGC 3609

RESULT 34

US-10-335-053-36 Application US/10335053
 ; Publication No. US2004241652A1

; GENERAL INFORMATION:
 ; APPLICANT: Quark Biotech, Inc.
 ; TITLE OF INVENTION: Methods for identifying marker genes for cancer

; FILE REFERENCE: 68733-A; 07/0/US1
 ; CURRENT APPLICATION NUMBER: US10/335,053
 ; CURRENT FILING DATE: 2003-03-27
 ; PRIOR APPLICATION NUMBER: 60/345,317
 ; PRIOR FILING DATE: 2001-12-31
 ; NUMBER OF SEQ ID NOS: 319
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 96
 ; LENGTH: 5084
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-10-335-053-36

Alignment Scores:
 Pred. No.: 980 Length: 5084
 Score: 50.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 1
 Query Match: 57.5% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-335-053-96 (1-5084)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13
 Db 3633 GGCCACCTACAGGTTGAGGAGAACCTGC 3665

RESULT 35

US-10-723-860-5073 Application US/10723860
 ; Sequence 5073, Application US/10723860
 ; Publication No. US20040253606A1

; GENERAL INFORMATION:
 ; APPLICANT: Zlomnicki, Albert
 ; ATTORNEY OR AGENT: Ginsburg, Wendy M.
 ; APPLICANT: Zlomnicki, Albert
 ; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

; FILE REFERENCE: 05882.0193.NPUS01
 ; CURRENT APPLICATION NUMBER: US10/723,860
 ; CURRENT FILING DATE: 2003-11-26
 ; PRIOR APPLICATION NUMBER: 60/429,739
 ; PRIOR FILING DATE: 2002-11-26
 ; NUMBER OF SEQ ID NOS: 8393
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 5073
 ; LENGTH: 5117
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-10-723-860-5073

Alignment Scores:
 Pred. No.: 986 Length: 5117
 Score: 50.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 2
 Query Match: 57.5% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-723-860-5073 (1-5117)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13
 Db 3633 GGCCACCTACAGGTTGAGGAGAACCTGC 3665

RESULT 36

US-10-887-553A-1140 Application US/10887553A
 ; Sequence 1140, Application US/10887553A
 ; Publication No. US20050083436A1

; GENERAL INFORMATION:
 ; APPLICANT: Li, Hao
 ; ATTORNEY OR AGENT: Dan
 ; TITLE OF INVENTION: Method to treat conditions associated with insulin signalling dysregulation

; FILE REFERENCE: 4-33362
 ; CURRENT APPLICATION NUMBER: US10/887,553A
 ; CURRENT FILING DATE: 2004-07-08
 ; PRIOR APPLICATION NUMBER: 60/485,883
 ; PRIOR FILING DATE: 2003-08-07
 ; NUMBER OF SEQ ID NOS: 1208
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 1140
 ; LENGTH: 5118
 ; TYPE: DNA
 ; ORGANISM: human
 ; US-10-887-553A-1140

Alignment Scores:
 Pred. No.: 987 Length: 5118
 Score: 50.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 2
 Query Match: 57.5% Indels: 0
 DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-887-553A-1140 (1-5118)
 Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 36327 GGGCACTAACAGTTGAGGGAGAACCTGC 3669

RESULT 37 LENGTH: 52302
 US-10-211-028-12/C TYPE: DNA
 ; Sequence 12, Application US/10211028
 ; Publication No. US20050027113A1
 ; GENERAL INFORMATION
 ; APPLICANT: CUBIST PHARMACEUTICALS, INC.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO THE DAPTONYCIN
 ; FILE REFERENCE: CUB-12 PCT CIP
 ; CURRENT APPLICATION NUMBER: US/10/211-028
 ; PRIOR APPLICATION NUMBER: PCT/US02/243100
 ; PRIOR FILING DATE: 2002-10-25
 ; PRIOR APPLICATION NUMBER: PCT/US01/32354
 ; PRIOR FILING DATE: 2001-10-17
 ; PRIOR APPLICATION NUMBER: 60/310,385
 ; PRIOR FILING DATE: 2001-08-06
 ; PRIOR APPLICATION NUMBER: 60/379,866
 ; PRIOR FILING DATE: 2002-05-10
 ; NUMBER OF SEQ ID NOS: 170
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 12 LENGTH: 22017
 ; TYPE: DNA
 ; ORGANISM: Streptomyces roseosporus
 US-10-211-028-12

Alignment Scores:
 Pred. No.: 4.21e+03 Length: 22017
 Score: 50.00 Matches: 9
 Percent Similarity: 75.0% Conservative: 0
 Best Local Similarity: 75.0% Mismatches: 3
 Query Match: 57.5% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-211-028-12 (1-22017)
 Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 19042 TCAGGACGCCACGGGGCAGCTGCCCATGT 19007

RESULT 38 LENGTH: 90597
 US-09-997-722-4/C TYPE: DNA
 ; Sequence 4, Application US/09997722
 ; Publication No. US20040072154A1
 ; GENERAL INFORMATION
 ; APPLICANT: Engelhardt, Eric
 ; APPLICANT: Morris, David
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
 ; FILE REFERENCE: A/71171/RMS/DCF
 ; CURRENT APPLICATION NUMBER: US/09/997,722
 ; PRIOR APPLICATION NUMBER: US/09/747,377
 ; PRIOR FILING DATE: 2001-11-30
 ; PRIOR APPLICATION NUMBER: US/09/747,377
 ; PRIOR FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: US/09/798,586
 ; NUMBER OF SEQ ID NOS: 301
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 4

Alignment Scores:
 Pred. No.: 9.96e+03 Length: 52302
 Score: 50.00 Matches: 8
 Percent Similarity: 90.0% Conservative: 1
 Best Local Similarity: 80.0% Mismatches: 1
 Query Match: 57.5% Indels: 0
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-997-722-4 (1-52302)
 Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13
 Db 44944 CCACCTAGTGACTTGAGACTTGAGGAAGACTGC 44915

RESULT 39 LENGTH: 90597
 US-10-211-028-1/C TYPE: DNA
 ; Sequence 1, Application US/10211028
 ; Publication No. US20050027113A1
 ; GENERAL INFORMATION
 ; APPLICANT: CUBIST PHARMACEUTICALS, INC.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO THE DAPTONYCIN
 ; FILE REFERENCE: CUB-12 PCT CIP
 ; CURRENT APPLICATION NUMBER: US/10/211,028
 ; PRIOR APPLICATION NUMBER: PCT/US02/243100
 ; PRIOR FILING DATE: 2002-10-25
 ; PRIOR APPLICATION NUMBER: PCT/US01/32354
 ; PRIOR FILING DATE: 2001-10-17
 ; PRIOR APPLICATION NUMBER: 60/310,385
 ; PRIOR FILING DATE: 2001-08-06
 ; PRIOR APPLICATION NUMBER: 60/379,866
 ; PRIOR FILING DATE: 2002-05-10
 ; NUMBER OF SEQ ID NOS: 170
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 1 LENGTH: 90597
 ; TYPE: DNA
 ; ORGANISM: Streptomyces roseosporus
 US-10-211-028-1

Alignment Scores:
 Pred. No.: 1.72e+04 Length: 90597
 Score: 50.00 Matches: 9
 Percent Similarity: 75.0% Conservative: 0
 Best Local Similarity: 75.0% Mismatches: 3
 Query Match: 57.5% Indels: 0
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-211-028-1 (1-90597)
 Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 75085 TCAGGACGCCACGGGGCAGCTGCCCATGT 75050

RESULT 40 LENGTH: 90597
 US-10-44-599-129806/C TYPE: DNA
 ; Sequence 2, Application US/10424599
 ; Publication No. US2004031072A1
 ; GENERAL INFORMATION

```

; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua.
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLES OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21 (53223) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 129806
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_88222C.1
; US-10-424-599-129806

SWOP-018-SEQ1 (1-15) x US-10-424-599-129806 (1-426)

Alignment Scores:
Pred. No.: 122 Length: 426
Score: 49.00 Matches: 8
Percent Similarity: 83.3% Conservative: 2
Best Local Similarity: 66.7% Mismatches: 2
Query Match: 56.3% Indels: 0
DB: 7 Gaps: 0

Qy 4 ProProSerGlyAlaArgArgCysTyrGlu 15
Db 226 CCCCCATCCGGATA CGCGAGAACTTGCAGCAA 191

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Search completed: February 13, 2006, 18:01:41
Job time : 874 secs

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SEQUENCE CHARACTERISTICS:
 LENGTH: 4086 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: not relevant
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 US-08-313-181-1

Alignment Scores:
 Ped. No.: 0.00331 Length: 4086
 Score: 87.00 Matches: 15
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 100.0% Indels: 0
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-313-181-1 (1-4086)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 2399 TACAGCGCCCGAGGGCGCCGGGAACCTCTACCAA 2443

RESULT 2
 PCT-US94-12912-1
 Sequence 1, Application PC/TUS9412912
 GENERAL INFORMATION:
 APPLICANT: UNIVERSITY OF SOUTHERN CALIFORNIA
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: c/o Robbins, Berliner & Carbon
 STREET: 201 North Figueroa Street, Fifth Floor
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90012
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/12912
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Spitals, John P.
 REGISTRATION NUMBER: 29,215
 REFERENCE/DOCKET NUMBER: 1920-341
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 977-1001
 TELEFAX: (213) 977-1003
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1785 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 PCT-US94-12912-1

Alignment Scores:
 Ped. No.: 4.52 Length: 1785
 Score: 63.00 Matches: 11
 Percent Similarity: 86.7% Conservative: 2
 Best Local Similarity: 73.3% Mismatches: 2
 Query Match: 72.4% Indels: 0
 DB: 6 Gaps: 0

SEQUENCE CHARACTERISTICS:
 LENGTH: 4086 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: not relevant
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 US-08-313-181-1

Alignment Scores:
 Ped. No.: 0.00331 Length: 4086
 Score: 87.00 Matches: 15
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 100.0% Indels: 0
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x PCT-US94-12912-1 (1-1785)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 793 TACAGCGCCCGAGGGCGCCCAAGGGCGCAATGGCTACGAC 837

RESULT 3
 US-07-753-520B-1
 Sequence 1, Application US/07753520B
 Patent No. 535255
 GENERAL INFORMATION:
 APPLICANT: Tapscott, J.; Weintraub, H.M.; Palmer, T.D.
 TITLE OF INVENTION: "MYOD REGULATORY REGION"
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Christensen, O'Connor and Kindness
 STREET: 2800 Pacific First Center, 1420 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98101-2347
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Disquette-5.25 inch, 1.2Mb storage
 COMPUTER: IBM PC/386 Compatible
 OPERATING SYSTEM: MS-DOS 4.01
 SOFTWARE: Word for Windows 8.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/753,520B
 FILING DATE: 19910903
 CLASSIFICATION: 415
 PRIORITY APPLICATION NUMBER: none
 APPLICATION NUMBER: none
 FILING DATE: none
 ATTORNEY/AGENT INFORMATION:
 NAME: Sundemo, John, S.
 REGISTRATION NUMBER: 34,446
 REFERENCE/DOCKET NUMBER: FFCR-1-5789
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 1-206-682-8100; 1-206-224-0727 (direct)
 TELEFAX: 1-206-224-0779
 TELEX: 4938033
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3636 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: genomic DNA
 DESCRIPTION: myod Genomic; proximal regulatory region myod gene; Figures 1A, 1B,
 US-07-753-520B-1

Alignment Scores:
 Pred. No.: 9.77 Length: 3636
 Score: 63.00 Matches: 11
 Percent Similarity: 86.7% Conservative: 2
 Best Local Similarity: 73.3% Mismatches: 2
 Query Match: 72.4% Indels: 0
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-07-753-520B-1 (1-3636)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15
 Db 2133 TACAGCGCCCGAGGGCGCCCAAGGGCGCAATGGCTACGAC 2177

RESULT 4
 US-09-242-991A-2087
 Sequence 2087, Application US/09252991A
 Patent No. 6551195
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

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; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196-136
; CURRENT APPLICATION NUMBER: US/09-252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIORITY NUMBER: US 60/074,788
; PRIORITY NUMBER: US 60/074,788
; PRIORITY NUMBER: US 60/094,190
; SEQ ID NO: 33142
; SEQ ID NO: 33142
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-2087

Alignment Scores:
Pred. No.: 40 Length: 432
Score: 52.00 Matches: 8
Percent Similarity: 90.9% Conservative: 2
Best Local Similarity: 72.7% Misnatches: 1
Query Match: 59.8% Indels: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-252-991A-2087 (1-432)
Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
Db 192 GGGCCGCCGAAACGATGCCGAGCGATGC 224
RESULT 5
US-09-252-991A-1803/c
; Sequence 1803, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196-136
; CURRENT APPLICATION NUMBER: US/09-252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIORITY NUMBER: US 60/074,788
; PRIORITY NUMBER: US 60/074,788
; PRIORITY NUMBER: US 60/094,190
; PRIORITY NUMBER: US 60/094,190
; PRIORITY NUMBER: US 60/094,190
; SEQ ID NO: 33142
; LENGTH: 987
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1803

Alignment Scores:
Pred. No.: 98 Length: 987
Score: 52.00 Matches: 8
Percent Similarity: 90.9% Conservative: 2
Best Local Similarity: 72.7% Misnatches: 1
Query Match: 59.8% Indels: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-252-991A-1803 (1-987)
Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
Db 809 GGGCCGCCGAAACGATGCCGAGCGATGC 777
RESULT 6
US-09-252-991A-1876/c
; Sequence 1876, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196-136
; CURRENT APPLICATION NUMBER: US/09-252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIORITY NUMBER: US 60/074,788
; PRIORITY NUMBER: US 60/074,788
; PRIORITY NUMBER: US 60/094,190
; PRIORITY NUMBER: US 60/094,190
; SEQ ID NO: 1876
; LENGTH: 1272
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1876

Alignment Scores:
Pred. No.: 129 Length: 1272
Score: 52.00 Matches: 8
Percent Similarity: 90.9% Conservative: 2
Best Local Similarity: 72.7% Misnatches: 1
Query Match: 59.8% Indels: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-252-991A-1876 (1-1272)
Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
Db 760 GGGCCGCCAACGATGCCGAGCGATGC 728
RESULT 7
US-09-489-039A-6289
; Sequence 6289, Application US/09489039A
; Patent No. 6610336
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: PNEUMONIA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489, 039A
; CURRENT FILING DATE: 2000-01-27
; PRIORITY NUMBER: US 60/117,747
; PRIORITY NUMBER: US 60/117,747
; PRIORITY NUMBER: US 60/117,747
; SEQ ID NO: 6289
; LENGTH: 303
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6289

Alignment Scores:
Pred. No.: 38.2 Length: 303
Score: 51.00 Matches: 9
Percent Similarity: 81.8% Conservative: 0
Best Local Similarity: 81.8% Misnatches: 2
Query Match: 58.5% Indels: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-489-039A-6289 (1-303)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 11
Db 189 TATTCAGGCCGCCCTGACGGAATAGGCCGTCGA 221
RESULT 8
US-09-902-540-4534/c
; Sequence 4534, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Hinkley, Gregory J.
; APPLICANT: Goldham, Barry S.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; Sequence 4534, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldham, Barry S.
; APPLICANT: Hinkley, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B

```

CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 4534
; LENGTH: 1656
; TYPE: DNA
; ORGANISM: *Myxococcus xanthus*
; US-09-902-540-4534

Alignment Scores:
; Pred. No.: 241 Length: 1656
; Score: 51.00 Matches: 8
; Percent Similarity: 76.9% Conservative: 2
; Best Local Similarity: 61.5% Mismatches: 3
; Query Match: 58.6% Indels: 0
; DB: 3

SWOP-018-SEQ1 (1-15) x US-09-902-540-4534 (1-1656)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
; Db 439 CATCCAGGCCACCGGCTGCCGTAGAGACCGCGTTC 401

RESULT 9
; US-09-902-540-1031/C
; Sequence 1031, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: *Myxococcus xanthus* Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 1031
; LENGTH: 10835
; TYPE: DNA
; ORGANISM: *Myxococcus xanthus*
; US-09-902-540-1031

Alignment Scores:
; Pred. No.: 1.85e+03 Length: 10835
; Score: 51.00 Matches: 8
; Percent Similarity: 76.9% Conservative: 2
; Best Local Similarity: 61.5% Mismatches: 3
; Query Match: 58.6% Indels: 0
; DB: 3

SWOP-018-SEQ1 (1-15) x US-09-902-540-1031 (1-10835)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
; Db 3980 CATCCAGGCCACCGGCTGCCGTAGAGACCGCGTTC 3942

RESULT 10
; US-09-016-434-285
; Sequence 285, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWTH
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 285:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 202 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BADNOTE6
; CLONE: 1723064
; US-09-016-434-285

Alignment Scores:
; Pred. No.: 34.5 Length: 202
; Score: 50.00 Matches: 8
; Percent Similarity: 81.8% Conservative: 1
; Best Local Similarity: 72.7% Mismatches: 2
; Query Match: 57.5% Indels: 0
; DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-016-434-285 (1-202)

Qy 3 GLYProProSerGlyAlaArgArgArgAsnCys 13
; Db 132 GGGCACCTACGGTTGAGAGGAGAACCTGC 164

RESULT 11
; US-09-02-540-3430/C
; Sequence 3430, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: *Myxococcus xanthus* Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 3430
; LENGTH: 783
; TYPE: DNA
; ORGANISM: *Myxococcus xanthus*
; US-09-902-540-3430

Alignment Scores:

Pred. No.: 150 Length: 783
 Score: 50.00 Matches: 9
 Percent Similarity: 100.0% Conservative: 1
 Best Local Similarity: 90.0% Mismatches: 0
 Query Match: 57.5% Indels: 0
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-3430 (1-783)

Qy 2 SerGlyProProSerGlyAlaArgArgArg 11
 Db 91 ACCGGTCAACCTCTGGCTCGGCAGC 62

RESULT 12
 US-09-902-540-1162
 ; Sequence 1162, Application US/09902540
 ; Patent No. 6833347
 ; GENERAL INFORMATION:
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Wiegand, Roger C.
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 ; FILE REFERENCE: 38-10-(15849)B
 ; CURRENT APPLICATION NUMBER: US/09/902,540
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: 60/217,883
 ; PRIOR FILING DATE: 2000-07-10
 ; NUMBER OF SEQ ID NOS: 16895
 ; SEQ ID NO: 1162
 ; LENGTH: 18192
 ; TYPE: DNA
 ; ORGANISM: Myxococcus xanthus
 ; US-09-902-540-1162

Alignment Scores:
 Pred. No.: 4.55e+03 Length: 18192
 Score: 50.00 Matches: 9
 Percent Similarity: 100.0% Conservative: 1
 Best Local Similarity: 90.0% Mismatches: 0
 Query Match: 57.5% Indels: 0
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-1162 (1-18192)

Qy 2 SerGlyProProSerGlyAlaArgArgArg 11
 Db 16821 ACCGGTCAACCTCTGGCTCGGCAGC 16850

RESULT 13
 US-09-949-016-4090/C
 ; Sequence 4090, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949, 016
 ; PRIOR APPLICATION NUMBER: 2000-04-14
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 4090
 ; LENGTH: 1348
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-09-949-016-4090

Alignment Scores:
 Pred. No.: 379 Length: 1348
 Score: 49.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.8% Mismatches: 2
 Query Match: 56.3% Indels: 0
 DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-949-016-4090 (1-1348)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 493 GGACTCCGTCAAGTGTGAGAGGTGC 461

RESULT 14
 US-09-902-540-9457/c
 ; Sequence 9457, Application US/09902540
 ; Patent No. 6833347
 ; GENERAL INFORMATION:
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Wiegand, Roger C.
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 ; FILE REFERENCE: 38-10-(15849)B
 ; CURRENT APPLICATION NUMBER: US/09/902,540
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: 60/217,883
 ; PRIOR FILING DATE: 2000-07-10
 ; NUMBER OF SEQ ID NOS: 168925
 ; SEQ ID NO: 9457
 ; LENGTH: 1449
 ; TYPE: DNA
 ; ORGANISM: Myxococcus xanthus
 ; US-09-902-540-9457

Alignment Scores:
 Pred. No.: 410 Length: 1449
 Score: 49.00 Matches: 9
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 56.3% Indels: 0
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-9457 (1-1449)

Qy 3 GlyProProSerGlyAlaArgArgArg 11
 Db 199 GTTCTCGTGTGAGCCAGAGACGG 173

RESULT 15
 US-09-902-540-1007
 ; Sequence 1007, Application US/09902540
 ; Patent No. 6833347
 ; GENERAL INFORMATION:
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Wiegand, Roger C.
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 ; FILE REFERENCE: 38-10-(15849)B
 ; CURRENT APPLICATION NUMBER: US/09/902,540
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: 60/217,883
 ; PRIOR FILING DATE: 2000-07-10
 ; NUMBER OF SEQ ID NOS: 168925
 ; SEQ ID NO: 1007
 ; LENGTH: 13466
 ; TYPE: DNA
 ; ORGANISM: Myxococcus xanthus
 ; US-09-902-540-1007

Alignment Scores:
 Pred. No.: 4.6e+03 Length: 13466
 Score: 49.00 Matches: 9
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 56.3% Indels: 0
 DB: 3 Gaps: 0

RESULT 16
 SWOP-018-SEQ1 (1-15) x US-09-902-540-1007 (1-13466)
 Qy 3 GlyProProSerGlyAlaArgArgArg 11
 Db 2126 GGTCCTCGTCTGGAGCAGAACGG 2152

PATENT INFORMATION
 Patent No. 6812339

APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CLO01307

CURRENT APPLICATION NUMBER: US/09/949,016
 CURRENT FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/241,755
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/237,768
 PRIOR FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 60/231,498
 NUMBER OF SEQ ID NOS: 20/012
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 15832
 LENGTH: 17723
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1) . (17723)
 OTHER INFORMATION: n = A, T, C or G
 US-09-949-016-15832

Alignment Scores:
 Pred. No.: 6.2e+03 Length: 17723
 Score: 49.00 Matches: 8
 Percent Similarity: 81.8% Conservative: 1
 Best Local Similarity: 72.7% Mismatches: 2
 Query Match: 56.3% Indels: 0
 DB: 3 GAGACCTCGTCAGGTGCTGAGGAAGTTGC 8533

RESULT 17
 US-08-470-179-186/C
 Sequence 186, Application US/08470179
 Patent No. 5645994

GENERAL INFORMATION:
 APPLICANT: Huang, Ph. D., wai Mun
 TITLE OF INVENTION: Method and Compositions for
 TITLE OF INVENTION: Identification of Species in a Sample
 NUMBER OF SEQUENCES: 207
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Trask, Britt and Rossa
 STREET: P.O. Box 2550
 CITY: Salt Lake City
 STATE: Utah
 COUNTRY: USA
 ZIP: 84110

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION NUMBER: US/08/470,179
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Swiegel, Ph. D., Susan E.
 REGISTRATION NUMBER: 36,289
 REFERENCE/DOCKET NUMBER: 2601
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 801-531-1922
 TELEFAX: 801-531-9168
 INFORMATION FOR SEQ ID NO: 186:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 423 base pairs
 STRANDEDNESS: double
 TYPE: nucleic acid
 TOPOLogy: not relevant
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 US-08-470-179-186

Alignment Scores:
 Pred. No.: 151 Length: 423
 Score: 48.00 Matches: 8
 Percent Similarity: 72.7% Conservative: 0
 Best Local Similarity: 72.7% Mismatches: 3
 Query Match: 55.2% Indels: 0
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-470-179-186 (1-423)

Qy 3 GlyProProSerGlyAlaArgArgArgCys 13
 Db 58 GGACCCCTCCCTGATGCCGGAAAGGGATGC 26

RESULT 18
 US-09-902-540-7412/C
 Sequence 7412, Application US/09902540
 Patent No. 6833447
 GENERAL INFORMATION:
 APPLICANT: Goldman, Barry S.
 APPLICANT: Hinkle, Gregory J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Wiegand, Roger C.
 TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 FILE REFERENCE: 38-101158491/B
 CURRENT APPLICATION NUMBER: US/09/902,540
 CURRENT FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: 60/217,883
 PRIOR FILING DATE: 2000-07-10
 NUMBER OF SEQ ID NOS: 16825
 SEQ ID NO 7412
 LENGTH: 1209
 TYPE: DNA
 ORGANISM: Myxococcus xanthus
 US-09-902-540-7412

Alignment Scores:
 Pred. No.: 4.72 Length: 1209
 Score: 48.00 Matches: 9
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 55.3% Indels: 0
 DB: 3

SWOP-018-SEQ1 (1-15) x US-09-902-540-7412 (1-1209)

QY 2 SerGlyProProSerGlyAlaArgArgArgAsnCysTyr 10
DB 1096 TCGGTCTTCCTCTGGGGCGTCGC 1070

RESULT 19
US-09-328-352-5/c

Sequence 5, Application US/09328352

Patent No. 6562958

GENERAL INFORMATION:

APPLICANT: Gary L. Breton et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

TITLE OF INVENTION: BAUMANNI FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC95-03PA

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 5

LENGTH: 1299

TYPE: DNA

ORGANISM: Acinetobacter baumannii

US-09-328-352-5

Alignment Scores:

Pred. No. :	511	Length:	1299
Score:	48.00	Matches:	8
Percent Similarity:	90.0%	Conservative:	1
Best Local Similarity:	80.0%	Mismatches:	1
Query Match:	55.2%	Indels:	0
DB:	3	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-09-328-352-5 (1-1299)

QY 4 ProProSerGlyAlaArgArgArgAsnCys 13
DB 751 CGGCCATCAGGGCGGACGCGGTATGC 722

RESULT 20
US-09-428-589-1/c

Sequence 1, Application US/09428589

Patent No. 6403102

GENERAL INFORMATION:

APPLICANT: Murdin, Andrew

TITLE OF INVENTION: CHLAMYDIA ANTIGENS AND CORRESPONDING DNA FRAGMENTS AND USES THEREOF

FILE REFERENCE: 19721-008

CURRENT APPLICATION NUMBER: US/09/428,589

EARLIER APPLICATION NUMBER: 60/106,071

EARLIER FILING DATE: 1998-10-29

EARLIER APPLICATION NUMBER: 60/133,202

EARLIER FILING DATE: 1999-05-07

NUMBER OF SEQ ID NOS: 4

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 1

LENGTH: 1400

TYPE: DNA

ORGANISM: Chlamydia pneumoniae

FEATURE: CDS

NAME/KEY: CDS

LOCATION: (101) .. (1273)

US-09-428-589-1

Alignment Scores:

Pred. No. :	554	Length:	1400
Score:	48.00	Matches:	8
Percent Similarity:	71.4%	Conservative:	2
Best Local Similarity:	57.1%	Mismatches:	4
Query Match:	55.2%	Indels:	0
DB:	3	Gaps:	0

SWOP-018-SEQ1 (1-15) x US-09-428-589-1 (1-1400)

QY 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyr 14
DB 324 TATAGCGGAGTCAGGGTAGGGAGGAGCTGTTT 283

RESULT 21
US-08-427-497B-5/c

Sequence 5, Application US/08427497B

Patent No. 5969124

GENERAL INFORMATION:

APPLICANT: Lemmon, Vance

TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of LiCAM and

TITLE OF INVENTION: Nucleotide Sequence of LiCAM and

Patent No. 5969124

TITLE OF INVENTION: the Nucleotide Sequence

TITLE OF INVENTION: Characterized Therapy

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fay, Sharpe, Beall, Fagan,

ADDRESS: Munich & McKee

STREET: 1100 Superior Avenue

CITY: Suite 700

CITY: Cleveland

STATE: Ohio

Country: U.S.A.

ZIP: 44114-2518

COMPUTER READABLE FORM:

COMPUTER: Diskette, 3.50 inch, 720 Kb

MEDIUM TYPE: storabile

COMPILER: Compaq Prolinea 5100e

OPERATING SYSTEM: DOS 5.0

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/427,497E

FILING DATE: April 24, 1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/904,991

FILING DATE: June 26, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Minnich, Richard J.

REGISTRATION NUMBER: 24,175

REFERENCE/DOCKET NUMBER: CWR 2 149-3-1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (216) 867-5582

TELEFAX: (216) 241-1666

TELEX: (216) 980162

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 1794

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: Linear

MOLECULE TYPE: nucleic acids

HYPOTHETICAL: irrelevant

ANTI-SENSE: no

ORIGINAL SOURCE:

ORGANISM: homo sapiens

INDIVIDUAL ISOLATE: 17-18 week fetus

IMMEDIATE SOURCE:

LIBRARY: Stratagene cDNA Library 936206

CLONE: 17

PUBLICATION INFORMATION:

AUTHORS: Hlavin, Mary Louise

AUTHORS: Lemmon, Vance

TITLE: Molecular structure and functional testing of

TITLE: human LiCAM: an interspecies comparison.

JOURNAL: GENOMICS

VOLUME: 11

ISSUE: 416-423

PAGES: 416-423

DATE: 1991

RELEVANT RESIDUES IN SEQ ID NO: 2731 to 4503

US-08-427-497E-5

Alignment Scores:

 Pred. No.: 725 Length: 1794

 Score: 48.00 Matches: 8

 Percent Similarity: 83.3% Conservative: 2

 Best Local Similarity: 65.7% MisMatches: 2

 Query Match: 55.2% Indels: 0

 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) × US-08-427-497E-5 (1-1794)

Qy 2 SerGlyProProSerGlyAlaIargArgArgArgArgCys 13

Db 418 ACTGGCCCTCCCTGGGGCCCCAGGAAGACACTGT 383

RESULT 22

US-08-427-497E-4/C

 Sequence 4, Application US/08427497E

 Patent No. 5969124

GENERAL INFORMATION:

 APPLICANT: Lemmon, Vance

 TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of L1CAM and

 TITLE OF INVENTION: Nucleotide Sequence of L1CAM and

 Patent No. 5969124

 TITLE OF INVENTION: the Nucleotide Sequence

 NUMBER OF SEQUENCES: 44

 CORRESPONDENCE ADDRESS:

 ADDRESSEE: Fay, Sharpe, Beall, Fagan,

 ADDRESS: Minnich & McKee

 STREET: 1100 Superior Avenue

 CITY: Cleveland

 STATE: Ohio

 COUNTRY: U.S.A.

 ZIP: 44114-2518

COMPUTER READABLE FORM:

 MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb

 CLASSIFICATION: 435

PRIOR APPLICATION DATA:

 APPLICATION NUMBER: 07/904,991

 FILING DATE: June 26, 1992

 ATTORNEY/AGENT INFORMATION:

 NAME: Minnich, Richard J.

 REGISTRATION NUMBER: 24,175

 REFERENCE/DOCKET NUMBER: CMR 2 149-3-1

TELECOMMUNICATION INFORMATION:

 TELEPHONE: (216) 861-5582

 TELEFAX: (216) 241-1666

 TELEX: (216) 980162

 INFORMATION FOR SEQ ID NO: 4:

 SEQUENCE CHARACTERISTICS:

 LENGTH: 2600

 TYPE: nucleic acid

 STRANDEDNESS: single

 TOPOLOGY: linear

 MOLECULE TYPE: nucleic acids

 HYPOTHETICAL: irrelevant

 ANTI-SENSE: no

 ORIGINAL SOURCE:

 ORGANISM: homo sapiens

 INDIVIDUAL ISOLATE: 17-18 week fetus

 LIBRARY: Stratagene cDNA Library 936206

 CLONE: 4

PUBLICATION INFORMATION:

 AUTHORS: Hlaviv, Mary Louise

 AUTHORS: Lemmon, Vance

 TITLE: Molecular structure and functional testing of human L1CAM: an interspecies comparison.

 JOURNAL: GENOMICS

 VOLUME: 11

 ISSUE:

 PAGES: 416-423

 DATE: 1991

 RELEVANT RESIDUES IN SEQ ID NO: 1108 to 3708

US-08-427-497E-4

Alignment Scores:

 Pred. No.: 1.08e+03 Length: 2600

 Score: 48.00 Matches: 8

 Percent Similarity: 83.3% Conservative: 2

 Best Local Similarity: 66.7% MisMatches: 2

 Query Match: 55.2% Indels: 0

 DB: Gaps: 0

SWOP-018-SEQ1 (1-15) × US-08-427-497E-4 (1-2600)

US-08-427-497E-3/C

 Sequence 3, Application US/08427497E

 Patent No. 5969124

GENERAL INFORMATION:

 APPLICANT: Lemmon, Vance

 TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of L1CAM and

 TITLE OF INVENTION: Nucleotide Sequence of L1CAM and

 Patent No. 5969124

 TITLE OF INVENTION: the Nucleotide Sequence

 TITLE OF INVENTION: the Characterized Thereby

 NUMBER OF SEQUENCES: 44

 CORRESPONDENCE ADDRESS:

 ADDRESSEE: Fay, Sharpe, Beall, Fagan,

 ADDRESS: Minnich & McKee

 STREET: 1100 Superior Avenue

 CITY: Cleveland

 STATE: Ohio

 COUNTRY: U.S.A.

 ZIP: 44114-2518

COMPUTER READABLE FORM:

 MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb

 CLASSIFICATION: 435

PRIOR APPLICATION DATA:

 APPLICATION NUMBER: 07/904,991

 FILING DATE: June 26, 1992

 ATTORNEY/AGENT INFORMATION:

 NAME: Minnich, Richard J.

 REGISTRATION NUMBER: 24,175

 REFERENCE/DOCKET NUMBER: CMR 2 149-3-1

TELECOMMUNICATION INFORMATION:

 TELEPHONE: (216) 861-5582

 TELEFAX: (216) 241-1666

 TELEX: (216) 980162

 INFORMATION FOR SEQ ID NO: 3:

 SEQUENCE CHARACTERISTICS:

 LENGTH: 3189

 TYPE: nucleic acid

STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: nucleic acids
 HYPOTHETICAL: irrelevant
 ANTI-SENS: no
 ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 INDIVIDUAL ISOLATE: 17-18 week fetus
 IMMEDIATE SOURCE:
 LIBRARY: Stratagene cDNA Library 936206
 CLONE: 3.1
 PUBLICATION INFORMATION:
 AUTHORS: Hlavin, Mary Louise
 AUTHORS: Lemmon, Vance
 TITLE: Molecular structure and functional testing of
 TITLE: human LIGCAM: an interspecies comparison.
 JOURNAL: GENOMICS
 VOLUME: 11
 ISSUE:
 PAGES: 416-423
 DATE: 1991
 RELEVANT RESIDUES IN SEQ ID NO: 548 to 3736
 US-08-427-497E-3

Alignment Scores:
 Pred. No.: 1.35e+03 Length: 3189
 Score: 48.00 Matches: 8
 Percent Similarity: 83.3% Conservative: 2
 Best Local Similarity: 66.7% Mismatches: 2
 Query Match: 55.2% Indels: 0
 DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-427-497E-3 (1-3189)

QY 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13
 Db 2580 ACTGACCTCTGGACGGAGGAGCACTT 2545

RESULT 24
 US-09-949-016-12325/C
 Sequence 12325, Application US/09949016
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CL001307
 CURRENT FILING DATE: 2000-04-14
 PRIORITY APPLICATION NUMBER: 60/241,755
 PRIOR FILING DATE: 2000-10-00
 PRIORITY APPLICATION NUMBER: 60/237,768
 PRIOR FILING DATE: 2000-10-03
 PRIORITY APPLICATION NUMBER: 60/231,498
 PRIOR FILING DATE: 2000-09-08
 NUMBER OF SEQ ID NOS: 207012
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 12325
 LENGTH: 3508
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1) .. (3508)
 OTHER INFORMATION: n = A,T,C or G

US-09-949-016-12325
 Alignment Scores:
 Pred. No.: 1.5e+03 Length: 3508
 Score: 48.00 Matches: 6
 Percent Similarity: 84.6% Conservative: 5
 Best Local Similarity: 46.2% Mismatches: 2
 Query Match: 55.2% Indels: 0

DB: 3 Gaps: 0
 SWOP-018-SEQ1 (1-15) x US-09-949-016-12325 (1-3508)
 QY 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 14
 Db 2700 GCAGGTCCTCCAGGGTCCAGAAACGCACTGTAT 26662

RESULT 25
 US-08-427-497E-1/c
 Sequence 1, Application US/08341843B
 Patent No. 587225
 GENERAL INFORMATION:
 APPLICANT: Lemmon, Vance
 TITLE OF INVENTION: A Method for Characterizing the
 TITLE OF INVENTION: Nucleotide Sequence of LIGCAM and
 Patent No. 587225
 TITLE OF INVENTION: the Nucleotide Sequence
 TITLE OF INVENTION: Characterized Thereby
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fay, Sharpe, Beall, Fagan,
 ADDRESS: Minnich & McKee
 STREET: 1100 Superior Avenue
 STREET: Suite 700
 CITY: Cleveland
 STATE: Ohio
 COUNTRY: U.S.A.
 ZIP: 44114-2518
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 720 kB
 MEDIUM TYPE: storables
 COMPUTER: Compaq Prolinea 5100e
 OPERATING SYSTEM: DOS 5.0
 SOFTWARE: ASCII
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/341,843B
 FILING DATE: No. 587225ember 18, 1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/904,991
 FILING DATE: June 26, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Minnich, Richard J.
 REGISTRATION NUMBER: 24,175
 REFERENCE/DOCKET NUMBER: CWR 2 149-1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (216) 861-5582
 TELEFAX: (216) 241-1666
 TELEX: (216) 980162
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3774
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: irrelevant
 ANTI-SENSE: no
 ORIGINAL SOURCE:
 ORGANISM: Homo Sapiens
 INDIVIDUAL ISOLATE: 17-18 week fetus
 IMMEDIATE SOURCE:
 LIBRARY: Stratagene cDNA Library 936206
 CLONE: Synthesis of 4 clones
 PUBLICATION INFORMATION:
 AUTHORS: Hlavin, Mary Louise
 AUTHORS: Lemmon, Vance
 TITLE: Molecular structure and functional
 TITLE: testing of human LIGCAM: an
 TITLE: interspecies comparison.
 JOURNAL: GENOMICS
 VOLUME: 11

ISSUE: 416-423
 PAGE: 1991
 DATE: 1991
 SEQ ID NO: 1 to 3774
 US-08-341-843B-1

Alignment Scores:
 Pred. No.: 1.62e+03 Length: 3774
 Score: 48.00 Matches: 8
 Percent Similarity: 83.3% Conservative: 2
 Best Local Similarity: 66.7% Mismatches: 2
 Query Match: 55.2% Indels: 0
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-341-843B-1 (1-3774)

Qy 2 SerGlyProProSerGlyAlaArgArgArgArgAsnCys 13
 Db 3127 ACTGGCCCTCTGGGACCCAGAGACACTGT 3092

RESULT 26
 US-08-427-497E-1/C
 Sequence 1, Application US/08427497E
 Patent No. 5969124

GENERAL INFORMATION:
 APPLICANT: Lemmon, Vance
 TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of LiCAM and Patent No. 5969124
 TITLE OF INVENTION: Nucleotide Sequence of LiCAM and
 TITLE OF INVENTION: the Nucleotide Sequence Characterized Thereby
 NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fay, Sharpe, Beall, Pagan,
 ADDRESSEE: Minnich & McKee
 STREET: 1100 Superior Avenue
 STREET: Suite 700
 CITY: Cleveland
 STATE: Ohio
 COUNTRY: U.S.A.
 ZIP: 44114-2518

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
 MEDIUM TYPE: storables
 COMPUTER: Compaq Prolinea 5100e
 OPERATING SYSTEM: DOS 5.0
 SOFTWARE: ASCII

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/427,497E
 FILING DATE: April 24, 1995
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/904,991
 FILING DATE: June 26, 1992

ATTORNEY/AGENT INFORMATION:
 NAME: Minnich, Richard J.
 REGISTRATION NUMBER: 24,175
 REFERENCE/DOCKET NUMBER: CWR 2 149-3-1

TELECOMMUNICATION:
 TELEPHONE: (216) 861-5582
 TELEFAX: (216) 241-1666
 TELLEX: (216) 980162

SEQUENCE CHARACTERISTICS:
 LENGTH: 3774
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: nucleic acids
 HYPOTHETICAL: irrelevant
 ANTI-SENSE: no
 ORIGINAL SOURCE:
 ORGANISM: Homo Sapiens

INDIVIDUAL ISOLATE: 17-18 week fetus
 IMMEDIATE SOURCE:
 LIBRARY: Stratagene CDNA Library 936206
 CLONE: synthesis of 4 clones
 PUBLICATION INFORMATION:
 AUTHORS: Hiavin, Mary Louise
 AUTHORS: Lemmon, Vance
 TITLE: Molecular structure and functional testing of human LiCAM: an interSpecies comparison.
 JOURNAL: GENOMICS
 VOLUME: 11
 ISSUE:
 PAGES: 416-423
 DATE: 1991
 RELEVANT RESIDUES IN SEQ ID NO: 1 to 3774
 US-08-427-497E-1

Alignment Scores:
 Pred. No.: 1.62e+03 Length: 3774
 Score: 48.00 Matches: 8
 Percent Similarity: 83.3% Conservative: 2
 Best Local Similarity: 66.7% Mismatches: 2
 Query Match: 55.2% Indels: 0
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-427-497E-1 (1-3774)
 US-08-427-497E-2/C
 Sequence 2, Application US/08427497E
 Patent No. 5969124

GENERAL INFORMATION:
 APPLICANT: Lemmon, Vance
 TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of LiCAM and
 TITLE OF INVENTION: Nucleotide Sequence of LiCAM and
 TITLE OF INVENTION: the Nucleotide Sequence Characterized Thereby
 NUMBER OF SEQUENCES: 44

RESULT 27
 US-08-427-497E-2/C
 Sequence 2, Application US/08427497E
 Patent No. 5969124

TITLE OF INVENTION: the Nucleotide Sequence
 TITLE OF INVENTION: the Characterized Thereby
 NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fay, Sharpe, Beall, Pagan,
 ADDRESSEE: Minnich & McKee
 STREET: 1100 Superior Avenue
 STREET: Suite 700
 CITY: Cleveland
 STATE: Ohio
 COUNTRY: U.S.A.
 ZIP: 44114-2518

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
 MEDIUM TYPE: storables
 COMPUTER: Compaq Prolinea 5100e
 OPERATING SYSTEM: DOS 5.0
 SOFTWARE: ASCII

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/427,497E
 FILING DATE: April 24, 1995
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/904,991
 FILING DATE: June 26, 1992

ATTORNEY/AGENT INFORMATION:
 NAME: Minnich, Richard J.
 REGISTRATION NUMBER: 24,175
 REFERENCE/DOCKET NUMBER: CWR 2 149-3-1

TELECOMMUNICATION:
 TELEPHONE: (216) 861-5582
 TELEFAX: (216) 241-1666
 TELLEX: (216) 980162

SEQUENCE CHARACTERISTICS:
 LENGTH: 3774
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: nucleic acids
 HYPOTHETICAL: irrelevant
 ANTI-SENSE: no
 ORIGINAL SOURCE:
 ORGANISM: Homo Sapiens

```

REFERENCE/DOCKET NUMBER: TSR1 468.0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 554-2937
TELEFAX: (619) 554-6312
SEQUENCE FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3888 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 12..3773
US-08-506-296B-13

Alignment Scores:
Pred. No.: 1.68e+03 Length:
Score: 48.00 Matches:
Percent Similarity: 83.3% Conservative:
Best Local Similarity: 66.7% Mismatches:
Query Match: 55.2% Indels:
DB: 3 Gaps:

SWOP-018-SEQ1 (1-15) x US-08-506-296B-13 (1-3888)

Qy 2 SerGlyProProSerGlyAlaArgArgArgArgArgCys
Db 3138 ACTGGCCCTCTGGGGACCCAGGAGCGACACTGT

RESULT 29
US-09-515-534A-1
Sequence 1, Application US/09515534A
Patent No. 6699692
GENERAL INFORMATION:
APPLICANT: Biomm, Inc.
APPLICANT: Astolfi, Spartaco F.
APPLICANT: de Lima, Beatriz D.
APPLICANT: Thiemann, Josef E.
APPLICANT: Tunes de Sousa, Heloisa R.
APPLICANT: Vilela, Luciano
TITLE OF INVENTION: VECTOR FOR EXPRESSION OF HEPATOCYTE RECOMBINANT PROTEIN AND FOR
FILE REFERENCE: 700612-2007
CURRENT APPLICATION NUMBER: US/09/515,534A
CURRENT FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.0
SEQ ID NO: 1
LENGTH: 4781
TYPE: DNA
ORGANISM: Homo Sapiens
US-09-515-534A-1

Alignment Scores:
Pred. No.: 2.1e+03 Length:
Score: 48.00 Matches:
Percent Similarity: 90.0% Conservative:
Best Local Similarity: 80.0% Mismatches:
Query Match: 55.2% Indels:
DB: 3 Gaps:

SWOP-018-SEQ1 (1-15) x US-09-515-534A-1 (1-4781)

Qy 4 ProProSerGlyAlaArgArgArgAsnCys
Db 2130 CCGCCATCAGGGCGCGACGAGCTATGC 2159

RESULT 30
US-09-502-540-713
Sequence 713, Application US/09902540

```

RESULT 32
US-08-886-967-1
; Sequence 1, Application US/08886967
; Patent No. 6068933
; GENERAL INFORMATION:
; APPLICANT: ASTOLFI, SPARTACO
; APPLICANT: DE LIMA, BEATRIZ D.
; APPLICANT: THIEMANN, JOSEF E.
; APPLICANT: TUNES DE SOUSA, HELOISA R.
; CURRENT FILING DATE: 2001-07-10
; PRIORITY NUMBER: 60/217, 883
; PRIORITY FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 713
; LENGTH: 6119
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; US-09-902-540-713
Alignment Scores:
Pred. No.: 2.74e+03 Length: 6119
Score: 48.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 55.2% Indels: 0
DB: 3 Gaps: 0
SWOP-018-SEQ1 (1-15) x US-09-902-540-713 (1-6119)
Qy 2 SerGlyProProSerGlyAlaArgArg 10
Db 5022 TCGGGTCCTCCCTCTGGCGCGCTCGC 5048

RESULT 31
US-09-902-540-827/C
; Sequence 827, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT FILING NUMBER: US/09/902-540-827
; CURRENT FILING DATE: 2001-07-10
; PRIORITY NUMBER: 60/217, 883
; PRIORITY FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 827
; LENGTH: 7280
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(7280)
; OTHER INFORMATION: unsure at all n locations
; US-09-902-540-827
Alignment Scores:
Pred. No.: 3.31e+03 Length: 7280
Score: 48.00 Matches: 10
Percent Similarity: 71.4% Conservative: 0
Best Local Similarity: 71.4% Mismatches: 4
Query Match: 55.2% Indels: 0
DB: 3 Gaps: 0
SWOP-018-SEQ1 (1-15) x US-09-902-540-827 (1-7280)
Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 15
Db 2808 TCCGACTCACCCCTCGGGCGGGATGAGAACTCGGTGAG 2767

RESULT 33
US-09-306-949-1
; Sequence 1, Application US/09306949
; Patent No. 6281329
; GENERAL INFORMATION:
; APPLICANT: ASTOLFI, SPARTACO
; APPLICANT: DE LIMA, BEATRIZ D.
; APPLICANT: THIEMANN, JOSEF E.
; APPLICANT: TUNES DE SOUSA, HELOISA R.
; CURRENT FILING DATE: 2001-07-10
; PRIORITY NUMBER: 60/217, 883
; PRIORITY FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 713
; LENGTH: 7439
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(7439)
; OTHER INFORMATION: unsure at all n locations
; US-09-902-540-827
Alignment Scores:
Pred. No.: 3.31e+03 Length: 7280
Score: 48.00 Matches: 10
Percent Similarity: 71.4% Conservative: 0
Best Local Similarity: 71.4% Mismatches: 4
Query Match: 55.2% Indels: 0
DB: 3 Gaps: 0
SWOP-018-SEQ1 (1-15) x US-09-902-540-827 (1-7439)
Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13
Db 4210 CGGCACATAGGGCGGGACGAGGTCTGTC 4239

NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 STREET: 745 FIFTH AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10151

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/306,949
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: HAUG, EDGAR H.
 REGISTRATION NUMBER: 29,309
 REFERENCE/DOCKET NUMBER: 540519-2003

TELECOMMUNICATION INFORMATION:
 APPLICATION NUMBER: US 08/886,967
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: HAUG, EDGAR H.
 REGISTRATION NUMBER: 29,309
 REFERENCE/DOCKET NUMBER: 540519-2003

TELEPHONE: 212-588-0800
 TELEFAX: 212-588-0500
 CLASSIFICATION:
 TOPOLLOGY: Linear
 MOLECULE TYPE: DNA (genomic)

US-09-306-949-1

Alignment Scores:
 Pred. No.: 4.45e+03 Length: 9562
 Score: 48.00 Matches: 8
 Percent Similarity: 90.0% Conservative: 1
 Best Local Similarity: 80.0%
 Mismatches: 1
 Query Match: 55.2%
 DB: 0
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-306-949-1 (1-9562)

Qy 4 ProProSerGlyAlaArgArgArgArgAsnCys 13
 Db 4210 CGGCATCAGGGGCGACGACGCTCAGC 4239

RESULT 35
 US-09-938-956-5

Sequence 5, Application US/0938956
 Patent No. 681824

GENERAL INFORMATION:
 APPLICANT: Wang, Siquin
 ATTORNEY: DiCosimo, Deana J.
 ATTORNEY: Koffas, Matthew
 ATTORNEY: Odom, J. Martin
 TITLE OF INVENTION: Production of Monoterpenes
 FILE REFERENCE: CL1809 US NA
 CURRENT APPLICATION NUMBER: US/09/938,956
 CURRENT FILING DATE: 2001-08-24
 PRIOR APPLICATION NUMBER: 60/229,907
 PRIOR FILING DATE: 2000-09-01
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: Microsoft Office 97
 SEQ ID NO 5
 LENGTH: 11575
 TYPE: DNA
 ORGANISM: Plasmid
 US-09-938-956-5

Alignment Scores:
 Pred. No.: 5.48e+03 Length: 11575
 Score: 48.00 Matches: 8
 Percent Similarity: 90.0% Conservative: 1
 Best Local Similarity: 80.0%
 Mismatches: 1
 Query Match: 55.2%
 DB: 3

NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 STREET: 745 FIFTH AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10151

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk

```

SWOP-018-SEQ1 (1-15) x US-09-938-956-5 (1-11575)
; Sequence 1, Application US/09410551B
; Patent No. 6503737
; GENERAL INFORMATION:
; APPLICANT: KOSAN BIOSCIENCES, Inc.
; FILE REFERENCE: 30062-20026-00
; CURRENT APPLICATION NUMBER: US/09/410,551B
; CURRENT FILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: US 60/139,650
; PRIOR FILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: US 60/123,810
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/102,748
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 77536
TYPE: DNA
ORGANISM: Streptomyces hygroscopicus
FEATURE:
NAME/KEY: CDS
LOCATION: (52275) . . . (71465)
Length: 77536
Match: 4.27e+04
Conse: 48.00
MisMa: 75.0%
Indel: 55.2%
Gaps: 3
Alignment Scores:
Pred. No.: 4.27e+04
Score: 48.00
Percent Similarity: 75.0%
Best Local Similarity: 66.7%
Query Match: 55.2%
DB: 3
SWOP-018-SEQ1 (1-15) x US-09-940,316B-1 (1-7
Qy 2 SerGlyProProSerGlyAlaArgArgAsnCys 13
Db 10954 ACCGGCCGCCGAGTGGACACCTCCGGAACTGC 10919
RESULT 38
US-09-198-452A-1/c
Sequence 1, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae
; TITLE OF INVENTION: thereof and uses the
; TITLE OF INVENTION: and treatment of inf
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 1
LENGTH: 1430025
TYPE: DNA
ORGANISM: Chlamydia pneumoniae
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) . . . (15000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (45001) . . . (60000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (30001) . . . (45000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (60001) . . . (75000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (75001) . . . (90000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (90001) . . . (105000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (105001) . . . (120000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (120001) . . . (135000)
OTHER INFORMATION: n=a or c or g or t
Length: 77536
Matches: 8
Conservative: 1
Mismatches: 3
Indels: 0
Gaps: 0
Alignment Scores:
Pred. No.: 4.27e+04
Score: 48.00
Percent Similarity: 75.0%
Best Local Similarity: 66.7%
Query Match: 55.2%
DB: 3
SWOP-018-SEQ1 (1-15) x US-09-410-551B-1 (1-77536)
Qy 2 SerGlyProProSerGlyAlaArgArgAsnCys 13
Db 10954 ACCGGCCGCCGAGTGGACACCTCCGGAACTGC 10919
RESULT 37
US-09-940-316B-1/c
Sequence 1, Application US/09940316B
; Patent No. 6755526
; GENERAL INFORMATION:
; APPLICANT: KOSAN BIOSCIENCES, Inc.
; FILE REFERENCE: 30062-20026-11
; CURRENT APPLICATION NUMBER: US/09/940,316B
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 09/410,551
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: US 60/139,650

```



```

NAME/KEY: misc_feature
LOCATION: (855001)..(870000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (870001)..(885000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (885001)..(900000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (900001)..(915000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature

Alignment Scores:
Pred. No.: 7.35e+05 Length: 1230025
Score: 48.00 Matches: 8
Percent Similarity: 71.4% Conservative: 2
Best Local Similarity: 57.1% Mismatches: 4
Query Match: 55.2% Indels: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-198-452A-1 (1-1230025)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCystYr 14
Db 937461 TATGCGGAGTCCAGACGGTAGAGGGAGGAGGCTTT 937420

RESULT 39
Sequence 1, Application US/09438185A
Patent No. 682201

GENERAL INFORMATION:
APPLICANT: Stephens, Richard
APPLICANT: Mitchell, Wayne
APPLICANT: Kalman, Sue
APPLICANT: Davis, Ronald
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
FILE REFERENCE: 018941-000411US
CURRENT APPLICATION NUMBER: US/09/438,185A
PRIORITY FILING DATE: 2002-03-13
PRIORITY APPLICATION NUMBER: US 60/108,279
PRIORITY FILING DATE: 1998-11-12
PRIORITY APPLICATION NUMBER: US 60/128,606
PRIORITY FILING DATE: 1999-04-08
NUMBER OF SEQ ID NOS: 1074
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 1
LENGTH: 12300230
TYPE: DNA
ORGANISM: Chlamydia pneumoniae
US-09-438-185A-1

Alignment Scores:
Pred. No.: 7.35e+05 Length: 1230230
Score: 48.00 Matches: 8
Percent Similarity: 71.4% Conservative: 2
Best Local Similarity: 57.1% Mismatches: 4
Query Match: 55.2% Indels: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-438-185A-1 (1-1230230)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCystYr 14
Db 927338 TATAGCGGCACTCCAGCGTAGGGAGGAGGCTTT 927297

RESULT 40
US-09-266-965-55
Sequence 55, Application US/09266965
Patent No. 6495348
GENERAL INFORMATION:

```


FEATURE: OTHER INFORMATION: Clone ID: MRT4577_148748C.1.pep

US-10-425-115-238113

Query Match 57.5%; Score 50; DB 4; Length 119;
Best Local Similarity 72.7%; Pred. No. 6.8;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 3 GPPSGARRRNC 13
Db 13 GPPPGSRRRRT 23

RESULT 3
US-10-425-115-297012
; Sequence 297012, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 297012
; LENGTH: 129
; TYPE: PRT
; FEATURE: ORGANISM: Zea mays
; FEATURE: OTHER INFORMATION: Clone ID: MRT4577_33954C.1.pep

US-10-425-115-297012

Query Match 57.5%; Score 50; DB 4; Length 129;
Best Local Similarity 61.5%; Pred. No. 7.3%;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 YSGPPSGARRRNC 13
Db 51 YGGTPQGSRRRRC 63

RESULT 4
US-10-424-599-245359
; Sequence 245359, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285584
; SEQ ID NO 245359
; LENGTH: 278
; TYPE: PRT
; FEATURE: ORGANISM: Glycine max
; NAME/KEY: unsure
; LOCATION: (1)..(278)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_63590C.1.pep

US-10-424-599-245359

Query Match 56.3%; Score 49; DB 4; Length 278;
Best Local Similarity 66.7%; Pred. No. 22;
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 4 PPGGARRRNC 15
Db 170 PPGGVRKIECY 181

RESULT 5
US-10-437-963-126355
; Sequence 126355, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbuzuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Ricin Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126355
; LENGTH: 1278
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1278)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_2890C.1.pep

US-10-437-963-126355

Query Match 55.2%; Score 48; DB 4; Length 1278;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 PPGGARRRNC 13
Db 12 PPGGARRRRC 21

RESULT 6
US-10-425-115-288731
; Sequence 288731, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 288731
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(112)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_26413C.1.pep

US-10-424-599-245359

US-10-425-115-288731
 Query Match Score 47; DB 4; Length 112;
 Best Local Similarity 61.5%; Pred. No. 19;
 Matches 8; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 SEQ ID 3 GPPSGARRNCYE 15
 DB 43 GAPSGRRRLHWC 55

RESULT 7
 US-10-425-115-218088
 Query Sequence 218088, Application US/10425115
 Publication No. US20040214272A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovalic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 TITLE OF INVENTION: Plants
 FILE REFERENCE: 38-21(5322)B
 CURRENT APPLICATION NUMBER: US/10/425,115
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 363326
 SEQ ID NO 128088
 LENGTH: 122
 TYPE: PRT
 FEATURE:
 OTHER INFORMATION: Clone ID: MRT4577_130492C.1.pep
 US-10-425-115-218088

Query Match Score 47; DB 4; Length 122;
 Best Local Similarity 63.6%; Pred. No. 20;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 SEQ ID 3 GPPSGARRNC 13
 DB 110 GPPREKRKRONC 120

RESULT 8
 US-10-363-616-371
 Query Sequence 371, Application US/10363616
 Publication No. US2004004418A1
 GENERAL INFORMATION:
 APPLICANT: HYSEG, Inc.
 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
 FILE REFERENCE: 11272-113 (793)
 CURRENT APPLICATION NUMBER: US/10/363,616
 CURRENT FILING DATE: 2003-03-03
 PRIOR APPLICATION NUMBER: 09/654,935
 PRIOR FILING DATE: 2000-09-01
 NUMBER OF SEQ ID NOS: 490
 SEQ ID NO 371
 LENGTH: 271
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-363-616-371

Query Match Score 47; DB 4; Length 271;
 Best Local Similarity 72.7%; Pred. No. 44;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 SEQ ID 3 GPPSGARRNC 13
 DB 87 GPPPGYRRRPC 97

RESULT 9
 US-09-925-300-968
 Query Match Score 47; DB 4; Length 316;
 Best Local Similarity 61.5%; Pred. No. 50;
 Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
 SEQ ID 1 YSGPGGARRNC 13
 DB 46 FSPPPGPRRRPC 58

RESULT 11
 US-10-424-599-170072
 ; Sequence 170072, Application US/10424599

; Sequence 968, Application US/09925300
 ; Patent No. US2002015168A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Craig Rosen,
 ; APPLICANT: Steve Rubin
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA101
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIORITY APPLICATION NUMBER: PCT/US00/05988
 ; PRIORITY FILING DATE: 2000-03-08
 ; PRIORITY APPLICATION NUMBER: 60/124,270
 ; PRIORITY FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1890
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 968
 ; LENGTH: 291
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-325-300-968

Query Match Score 47; DB 3; Length 291;
 Best Local Similarity 72.7%; Pred. No. 47;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 SEQ ID 3 GPPSGARRNC 13
 DB 107 GPPGVRRRPC 117

RESULT 10
 US-10-427-963-172815
 ; Sequence 172815, Application US/10437963
 ; Publication No. US20040123343A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Wu, Wei
 ; APPLICANT: Boukharov, Andrey A.
 ; APPLICANT: Barbazuk, Brad
 ; APPLICANT: Li, Ping
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 ; Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(5322)B
 ; CURRENT APPLICATION NUMBER: US/10/437,963
 ; CURRENT FILING DATE: 2003-05-14
 ; NUMBER OF SEQ ID NOS: 204966
 ; SEQ ID NO 172815
 ; LENGTH: 316
 ; TYPE: PRT
 ; ORGANISM: Oryza sativa
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (1)..(316)
 ; OTHER INFORMATION: unsure at all xaa locations
 ; SEQ ID NO 371
 ; LENGTH: 271
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-437-963-172815

Query Match Score 47; DB 4; Length 316;
 Best Local Similarity 61.5%; Pred. No. 50;
 Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
 SEQ ID 1 YSGPGGARRNC 13
 DB 46 FSPPPGPRRRPC 58

RESULT 11
 US-10-424-599-170072
 ; Sequence 170072, Application US/10424599

Best Local Similarity 57.1%; Pred. No. 3.6e+02; Matches 8; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRRNCYE 15
Dy 334 AGPPDGYERRAYE 347

RESULT 15
US-10-282-122A-64572
Sequence 64572, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cherry
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Travick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: BL1TA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 64572
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis

Query Match 51.7%; Score 45; DB 4; Length 1184;
Best Local Similarity 57.1%; Pred. No. 3.7e+02; Matches 1; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRRNCYE 15
Dy 335 AGPPDGYERRAYE 348

RESULT 16
US-10-476-597-140
Sequence 140, Application US/10476597
Publication No. US20040235766A1
GENERAL INFORMATION:
APPLICANT: Bullard, James

APPLICANT: Janjic, Nebojsa
APPLICANT: McHenry, Charles S.
TITLE OF INVENTION: System for Discovery of Agents that Block *Versinia Pesticis* and *Pseudomonas aeruginosa* DNA Replication
FILE REFERENCE: RDW-02/PCT-US
CURRENT APPLICATION NUMBER: US/10/476,597
CURRENT FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 60/290,725
PRIOR FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: PCT/US02/15111
PRIOR FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: US 60/332,644
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 159
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 140
LENGTH: 1184
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-10-476-597-140

Query Match 51.7%; Score 45; DB 5; Length 1184;
Best Local Similarity 57.1%; Pred. No. 3.7e+02; Matches 1; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRRNCYE 15
Db 335 AGPPDGYERRAYE 348

RESULT 17
US-10-425-114-48971
Sequence 48971, Application US/10425114
Publication No. US2004034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovacic, David K.
APPLICANT: Screen, Steven E.
APPLICANT: Tabaska, Jack E.
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO: 48971
LENGTH: 97
TYPE: PRT
ORGANISM: *zea mays*
FEATURE:
OTHER INFORMATION: Clone ID: 700429912_FLI.pep
US-10-425-114-48971

Query Match 50.6%; Score 44; DB 4; Length 97;
Best Local Similarity 63.6%; Pred. No. 47; Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 3 GPPSGARRRNC 13
Db 1 GPPPASRRTC 11

RESULT 18
US-10-424-599-203545
Sequence 203545, Application US/10424599
Publication No. US2004031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovacic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53223) B
 ; CURRENT APPLICATION NUMBER: US/10/424,599
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO: 285684
 ; LENGTH: 103
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_25827C.1.pep
 ; SEQ ID NO: 403545

Query Match 50.6%; Score 44; DB 4; Length 103;
 Best Local Similarity 58.3%; Pred. No. 50; Indels 0; Gaps 0;
 Matches 7; Conservative 1; Mismatches 4; Pred. No. 1.3e-02; Indels 0; Gaps 0;

RESULT 21
 US-10-425-115-221321 ; Sequence 221321, Application US/10425115
 ; Publication No. US2004024272A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 ; FILE REFERENCE: 38-21(53222) B
 ; CURRENT APPLICATION NUMBER: US/10/425,115
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 365326
 ; SEQ ID NO: 221321
 ; LENGTH: 120
 ; TYPE: PRT
 ; ORGANISM: Zea mays
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: MRT4577_133436C.1.pep
 ; SEQ ID NO: 103545

Query Match 50.6%; Score 44; DB 4; Length 120;
 Best Local Similarity 57.1%; Pred. No. 58; Indels 0; Gaps 0;
 Matches 8; Conservative 1; Mismatches 5; Pred. No. 1.3e-02; Indels 0; Gaps 0;

RESULT 20
 US-10-425-114-40066 ; Sequence 40066, Application US/10425114
 ; Publication No. US2004034888A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Liu, Jingdong
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Screen, Steven E.
 ; APPLICANT: Tabaska, Jack E.
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53313) B
 ; CURRENT APPLICATION NUMBER: US/10/425,114
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 73128
 ; SEQ ID NO: 40066

Query Match 50.6%; Score 44; DB 4; Length 289;
 Best Local Similarity 58.3%; Pred. No. 1.3e-02; Indels 0; Gaps 0;
 Matches 7; Conservative 1; Mismatches 4; Pred. No. 1.3e-02; Indels 0; Gaps 0;

RESULT 22
 US-10-424-599-235980 ; Sequence 235980, Application US/10424599
 ; Publication No. US2004031072A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
 ; FILE REFERENCE: 38-21(53223) B
 ; CURRENT APPLICATION NUMBER: US/10/424,599
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO: 235980
 ; LENGTH: 73
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_55117C.1.pep
 ; SEQ ID NO: 103545

Query Match 50.0%; Score 43.5%; DB 4; Length 73;
 Best Local Similarity 66.7%; Pred. No. 43; Indels 4; Gaps 1;
 Matches 10; Conservative 0; Mismatches 4; Pred. No. 1.3e-02; Indels 4; Gaps 1;

RESULT 23
 US-10-424-599-235980 ; Sequence 235980, Application US/10424599
 ; Publication No. US2004031072A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
 ; FILE REFERENCE: 38-21(53223) B
 ; CURRENT APPLICATION NUMBER: US/10/424,599
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO: 215744
 ; LENGTH: 46
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_36846C.1.pep
 ; SEQ ID NO: 215744

Query Match 49.4%; Score 43; DB 4; Length 46;
 Best Local Similarity 54.5%; Pred. No. 33; Gaps 0;

Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 4 PPSSARRNNY 14
Db 34 PTSGSRKSCY 44

RESULT 23
US-10-723-860-2460
; Sequence 2460, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlontnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & FILE REFERENCE: 05832.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 2460
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-2460

Query Match 49.4%; Score 43; DB 5; Length 94;
Best Local Similarity 72.7%; Pred. No. 65;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SGPPSGARRRN 12
Db 53 SGPPSGAMERS 63

RESULT 24
US-10-756-149-5369
; Sequence 5369, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlontnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER FILE REFERENCE: file CURRENT APPLICATION NUMBER: US/10/756,149 CURRENT FILING DATE: 2004-01-12 NUMBER OF SEQ ID NOS: 5818 SOFTWARE: PatentIn version 3.2 SEQ ID NO: 5369 LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5369

Query Match 49.4%; Score 43; DB 5; Length 94;
Best Local Similarity 72.7%; Pred. No. 65;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SGPPSGARRRN 12
Db 53 SGPPSGAMERS 63

RESULT 25
US-10-424-599-177399
; Sequence 177399, Application US/10424599
; Publication No. US2004031072A1
; GENERAL INFORMATION:

; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovacic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement FILE REFERENCE: 38-21(5323) B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 177399
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_131207C.1.pep
US-10-424-599-177399

Query Match 49.4%; Score 43; DB 4; Length 128;
Best Local Similarity 63.6%; Pred. No. 88;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 GPPSGARRNC 13
Db 101 GPPGGGARNC 111

RESULT 26
US-10-437-963-109816
; Sequence 109816, Application US/10437963
; Publication No. US2004123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Borkharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement FILE REFERENCE: 38-21(5322) B
; CURRENT APPLICATION NUMBER: US/10/437,963
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO: 109816
; LENGTH: 155
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO: 109816
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(155)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_13939C.1.pep
US-10-437-963-109816

Query Match 49.4%; Score 43; DB 4; Length 155;
Best Local Similarity 58.3%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 4 PPSSGARRNCY 15
Db 16 PPPXRRRICH8 27

RESULT 27
US-10-027-806-32
; Sequence 32, Application US/10027806
; Publication No. US2002160476A1
; GENERAL INFORMATION:
; APPLICANT: Swanson, Ronald V.

; APPLICANT: Feldman, Robert A.
 ; APPLICANT: Schleper, Christa
 ; TITLE OF INVENTION: NUCLEAR ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM
 ; FILE REFERENCE: DCORP.002A
 ; CURRENT APPLICATION NUMBER: US/10/027,806
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/408,020
 ; PRIOR FILING DATE: 1999-09-29
 ; NUMBER OF SEQ ID NOS: 123
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 32
 ; LENGTH: 184
 ; TYPE: PRT
 ; ORGANISM: Cenarchaeum symbiosum
 ; US-10-027-806-32

Query Match 49.4%; Score 43; DB 4; Length 184;
 Best Local Similarity 53.3%; Pred. No. 1.2e+02; Indels 2; Gaps 1;
 Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

Qy 1 YSGPPSGARRNCYE 15
 Db 54 YNGTTPGCV--KNCYE 66

RESULT 28
 US-10-034-623-32
 ; Sequence 32, Application US/10034623
 ; Publication No. US20020198365A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Swanson, Ronald V.
 ; APPLICANT: Feldman, Robert A.
 ; APPLICANT: Schleper, Christa
 ; TITLE OF INVENTION: NUCLEAR ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM
 ; FILE REFERENCE: DCORP.002A
 ; CURRENT APPLICATION NUMBER: US/10/034,623
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: 09/408,020
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: 60/102,294
 ; PRIOR FILING DATE: 1998-09-29
 ; NUMBER OF SEQ ID NOS: 123
 ; SOFTWARE: FastSEQ For Windows Version 3.0
 ; SEQ ID NO: 32
 ; LENGTH: 184
 ; TYPE: PRT
 ; ORGANISM: Cenarchaeum symbiosum
 ; US-10-034-623-32

Query Match 49.4%; Score 43; DB 4; Length 184;
 Best Local Similarity 53.3%; Pred. No. 1.2e+02; Indels 2; Gaps 1;
 Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

Qy 1 YSGPPSGARRNCYE 15
 Db 54 YNGTTPGCV--KNCYE 66

RESULT 31
 US-10-726-699-93
 ; Sequence 93, Application US/10726699
 ; Publication No. US20040253672A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: 20 Human Secreted Proteins
 ; FILE REFERENCE: PS737
 ; CURRENT APPLICATION NUMBER: US/10/726,699
 ; CURRENT FILING DATE: 2003-12-04
 ; PRIOR APPLICATION NUMBER: PCT/US02/17699
 ; PRIOR FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: US 60/295,869
 ; PRIOR FILING DATE: 2001-06-06
 ; PRIOR APPLICATION NUMBER: US 60/304,121
 ; PRIOR FILING DATE: 2001-07-11
 ; NUMBER OF SEQ ID NOS: 118
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 93
 ; LENGTH: 243
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-726-699-93

Query Match 49.4%; Score 43; DB 5; Length 243;
 Best Local Similarity 72.7%; Pred. No. 1.6e+02;

; CURRENT APPLICATION NUMBER: US/10/027,801
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/408,020
 ; PRIOR FILING DATE: 1999-09-29
 ; NUMBER OF SEQ ID NOS: 123

RESULT 32

US-09-988-462-19

Sequence 19, Application US/0988462

Publication No. US20030046726A1

GENERAL INFORMATION:

APPLICANT: Koziel, Michael G.
 Desai, Nalini M.
 Lewis, Kelly S.
 Kramer, Vance C.
 Warren, Gregory W.
 Fruola, Stephen V.
 Crossland, Lyle D.
 Wright, Marsha S.
 Merlin, Ellis J.
 Launis, Karen L.

TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED INSECTICIDAL ACTIVITY IN MAIZE

NUMBER OF SEQUENCES: 94

CORRESPONDENCE ADDRESS:

ADDRESSEE: Syngenta Biotechnology, Inc.

STREET: 3054 Cornwallis Road

CITY: Research Triangle Park

STATE: NC

ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/988,462

FILING DATE: 20-NOV-2001

CLASSIFICATION: <Unknowns>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/547,422

FILING DATE: 11-APR-2000

APPLICATION NUMBER: US/08/459,504

FILING DATE: 02-JUN-1995

APPLICATION NUMBER: US/07/951,715

FILING DATE: 25-SEP-1992

APPLICATION NUMBER: US/07/72,027

FILING DATE: 04-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Maigs, J. Timothy
 REGISTRATION NUMBER: 38,241

REFERENCE/DOCKET NUMBER: S-18805I

TELECOMMUNICATION INFORMATION:

TELEPHONE: (919)541-8587

TELEFAX: (919)541-8889

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 346 amino acids

TYPE: amino acid

TOPOLOGY: Linear

MOLECULE TYPE: Protein

SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-09-988-462-19

Query Match 49 4%; Score 43; DB 3; Length 346;

Best Local Similarity 42.9%; Pred. No. 2.3e+02; 3; Mismatches 5; Indels 0; Gaps 0;

Matches 6; Conservative 6; Gaps 0;

2 SGPGGARRRNC 15

63 APPAGAARRNC 15

Qy

Dn

```

RESULT 33
US-09-963-896-2
; Sequence 2, Application US/09963 896
; Patent No. US2002012585A1
; GENERAL INFORMATION:
; APPLICANT: Laal, Preeti
; Guegler, Karl J.
; Corely, Neil C.
; TITLE OF INVENTION: PROSTATE GROWTH-ASSOCIATED MEMBRANE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC/DO/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

; CURRENT APPLICATION DATA: US/09/963, 896
; APPLICATION NUMBER: US/09/963, 896
; FILING DATE: 26-Sep-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/397, 558
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CERONE, MICHAEL C.
; REGISTRATION NUMBER: 39,132
; REFERENCE DOCKET NUMBER: PF-0527 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 410 amino acids
; STRANDEDNESS: single
; TYPE: amino acid
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BRSUTTO03
; CLONE: 199442

; SEQUENCE DESCRIPTION: SEQ ID NO: 2 :
US-09-963-896-2

; Query Match 49 4%; Score 43; DB 3; Length 410;
; Best Local Similarity 72.7%; Pred. No. 2.7e+02;
; Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps
; Qy 3 GPPSGARRNC 13
; Db 190 GVPSGARARGC 200

RESULT 34
US-10-425-114-36762
; Sequence 36762, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovacic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Cao, Yongge
; APPLICANT: Tabaska, Jack E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated
; WITH INVENTION: Plants and Uses Thereof For Plant Improvement
; PCT PRIORITY: 18-21(5331)R

```

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; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO: 36762
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE: OTHER INFORMATION: Clone ID: MRT4577_14248C.1.pep
; US-10-425-115-231244

Query Match 49.4%; Score 43; DB 4; Length 433;
Best Local Similarity 66.7%; Pred. No. 2.8e+02;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Software: Custom
SEQ ID NO: 34231
Length: 475
Type: PRT
Organism: Homo sapiens
Feature: misc_feature
Name/Key: (1)...(475)
Location: (1)...(475)
Other Information: xaa = X or * as defined in Table 2
US-10-450-763-34231

Query Match 49.4%; Score 43; DB 5; Length 475;
Best Local Similarity 61.5%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Software: Custom
SEQ ID NO: 428
Length: 440

RESULT 35
US-10-450-763-34231
; Sequence 34231, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790C1P3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SEQ ID NO: 34231
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; NAME/KEY: (1)...(475)
; LOCATION: (1)...(475)
; OTHER INFORMATION: xaa = X or * as defined in Table 2
US-10-450-763-34231

Query Match 49.4%; Score 43; DB 5; Length 475;
Best Local Similarity 61.5%; Pred. No. 3.1e+02;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Software: Custom
SEQ ID NO: 428
Length: 440

RESULT 36
US-10-425-115-231244
; Sequence 231244, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Ropa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO: 231244

Query Match 48.3%; Score 42; DB 4; Length 63;
Best Local Similarity 70.0%; Pred. No. 64;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Software: Custom
SEQ ID NO: 46439
Length: 66
Type: PRT
Organism: Homo sapiens
Feature:

```

US-10-425-115-255336
 OTHER INFORMATION: MAP TO AC01299.2
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2
 OTHER INFORMATION: EST HUMAN HIT: BP339540.1, EVALU 5.00e-21
 OTHER INFORMATION: SWISSPROT HIT: P30020, EVALU 5.40e+00
 US-09-864-761-46439

Query Match 48.3%; Score 42; DB 3; Length 66;
 Best Local Similarity 70.0%; Pred. No. 67;
 Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 4 PPSGARRRNC 13
 Db 16 PPSGLSRRHC 25

RESULT 38
 Sequence 189306, Application US/10437963
 Publication No. US200401233431
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 APPLICANT: Wu, Wei
 APPLICANT: Boukharov, Andrey A.
 APPLICANT: Barbazuk, Brad
 APPLICANT: Li, Bing
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21(53221)B
 CURRENT APPLICATION NUMBER: US/10/437,963
 CURRENT FILING DATE: 2003-05-14
 NUMBER OF SEQ ID NOS: 204966
 SEQ ID NO: 189306
 LENGTH: 98
 TYPE: PRT
 ORGANISM: Oryza sativa
 FEATURE: OTHER INFORMATION: Clone ID: PAT_MRT4530_85828C.1.pep

US-10-437-963-189306
 Query Match 48.3%; Score 42; DB 4; Length 98;
 Best Local Similarity 61.5%; Pred. No. 97;
 Matches 8; Conservative 3; Mismatches 0; Indels 2; Gaps 1;

Qy 4 PPSGARR-RNCY 14
 Db 59 PPNAGARRLPRSCF 71

RESULT 39
 Sequence 255336, Application US/10425115
 Publication No. US20040214272A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
 TITLE OF INVENTION: Plants
 FILE REFERENCE: 38-21(53222)B
 CURRENT APPLICATION NUMBER: US/10/425,115
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 363326
 SEQ ID NO: 255336
 LENGTH: 99
 FEATURE: OTHER INFORMATION: Zea mays
 ORGANISM: Zea mays

US-10-425-115-255336
 Sequence 167, Application US/10644765
 Publication No. US20050181371A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Human Secreted Proteins
 FILE REFERENCE: PS736
 CURRENT APPLICATION NUMBER: US/10/654,765
 CURRENT FILING DATE: 2003-08-21
 PRIOR APPLICATION NUMBER: PCT/US02/05301
 PRIOR FILING DATE: 2002-02-21
 PRIOR APPLICATION NUMBER: US 60/304,417
 PRIOR FILING DATE: 2001-07-12
 PRIOR APPLICATION NUMBER: US 60/270,625
 PRIOR FILING DATE: 2001-02-23
 NUMBER OF SEQ ID NOS: 340
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 167
 LENGTH: 99
 TYPE: PRT
 ORGANISM: Homo sapiens

US-10-644-765-167
 Query Match 48.3%; Score 42; DB 5; Length 99;
 Best Local Similarity 63.6%; Pred. No. 98;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SGPPSGARRN 12
 Db 87 NGPPPGRRRN 97

Search completed: February 11, 2006, 08:33:54
 Job time : 179 secs

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 11, 2006, 08:19:03 ; Search time 47 Seconds
 (without alignments)
 26.386 Million cell updates/sec

Title: SWOP-018-SEQ1
 Perfect score: 87
 Sequence: 1 ysgnpsgarrncye 15

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82275679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000
 Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents AA:
 1: /cgns2_6/ptodata/1/iaia/5_COMBO.pep:/*
 2: /cgns2_6/ptodata/1/iaia/6_COMBO.pep:/*
 3: /cgns2_6/ptodata/1/iaia/7_COMBO.pep:/*
 4: /cgns2_6/ptodata/1/iaia/8_PCTUS_COMBO.pep:/*
 5: /cgns2_6/ptodata/1/iaia/9_COMBO.pep:/*
 6: /cgns2_6/ptodata/1/iaia/backfile8.pep:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	46	52.9	117	2 US-09-489-039A-7862	Sequence 7862, App1
2	44	50.6	464	2 US-09-252-991A-26212	Sequence 26212, A
3	43	49.4	184	2 US-09-408-0-0-32	Sequence 32, App1
4	43	49.4	258	2 US-09-252-991A-1993	Sequence 1993, A
5	43	49.4	346	1 US-07-951-715A-19	Sequence 19, App1
6	43	49.4	346	1 US-08-459-448A-19	Sequence 19, App1
7	43	49.4	346	2 US-08-459-595A-19	Sequence 19, App1
8	43	49.4	346	2 US-08-459-504B-19	Sequence 19, App1
9	43	49.4	346	2 US-08-459-444-19	Sequence 19, App1
10	43	49.4	346	2 US-09-547-422-19	Sequence 19, App1
11	43	49.4	346	2 US-09-98B-462-19	Sequence 19, App1
12	43	49.4	410	2 US-09-083-521-2	Sequence 2, App1
13	42	48.3	276	2 US-09-252-991A-18128	Sequence 18128, A
14	42	48.3	314	2 US-08-927-219-6	Sequence 6, App1
15	42	48.3	613	2 US-09-252-991A-22424	Sequence 22424, A
16	42	48.3	672	2 US-09-252-991A-18930	Sequence 18930, A
17	41	47.1	127	2 US-09-252-991A-26684	Sequence 26684, A
18	41	47.1	145	2 US-09-252-991A-21532	Sequence 21532, A
19	41	47.1	146	2 US-09-252-991A-18183	Sequence 18183, A
20	41	47.1	156	2 US-09-252-991A-21289	Sequence 21289, A
21	41	47.1	260	2 US-09-252-991A-25992	Sequence 25992, A
22	41	47.1	341	2 US-09-252-991A-27955	Sequence 27955, A
23	41	47.1	373	2 US-09-252-991A-29008	Sequence 29008, A
24	41	47.1	690	2 US-09-252-991A-16715	Sequence 16715, A
25	40.5	46.6	603	2 US-09-854-845-39	Sequence 39, App1
26	40.5	46.6	697	2 US-09-854-845-25	Sequence 25, App1

ALIGNMENTS

RESULT 1
 US-09-489-039A-7862
 ; Sequence 7862, Application US/09489039A

; GENERAL INFORMATION:
 ; APPLICANT: GARY BRETON et. al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; PATENT NO. 6610836
 ; FILE REFERENCE: 2709.2014001
 ; CURRENT APPLICATION NUMBER: US/09/489-039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO: 7862
 ; LENGTH: 117
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-7862

Query Match 52.9%; Score 46; DB 2; Length 117;
 Best Local Similarity 66.7%; Pred. No. 7.6;
 Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Query 2 SGPSGARRNC 13
 Best Local Similarity 66.7%; Pred. No. 7.6;
 Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Query 2 SGPSGARRNC 13
 Best Local Similarity 66.7%; Pred. No. 7.6;
 Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Query 2 SGPRAGGRQC 12
 Best Local Similarity 66.7%; Pred. No. 7.6;
 Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

RESULT 2
 US-09-252-991A-26212
 ; Sequence 26212, Application US/09252991A
 ; GENERAL INFORMATION:
 ; APPLICANT: MARC J. RUBENFIELD et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; PATENT NO. 6551195
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 26212
 ; LENGTH: 464
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-26212

Query Match 50.6%; Score 44; DB 2; Length 464;
 Best Local Similarity 100.0%; Pred. No. 60; Gaps 0;
 Matches 8; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0;

Qy 3 GPPSGARR 10
 Db 101 GPPSGARR 108

RESULT 3
 US-09-408-020-32
 Sequence 32, Application US/09408020
 GENERAL INFORMATION:
 Patent No. 6632937
 APPLICANT: Swanson, Ronald V.
 APPLICANT: Feldman, Robert A.
 APPLICANT: Schleifer, Christa A.
 TITLE OF INVENTION: NUCLEIC ACIDS AND PROTEINS FROM CENARACHAEUM Symbiosum
 FILE REFERENCE: DCORP 002A
 CURRENT APPLICATION NUMBER: US/09/408,020
 CURRENT FILING DATE: 1999-09-29
 PRIOR APPLICATION NUMBER: 60/102,294
 PRIOR FILING DATE: 1998-09-29
 NUMBER OF SEQ ID NOS: 123
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 32
 LENGTH: 184
 TYPE: PRT
 ORGANISM: Cenarchaeum symbiosum

US-09-408-020-32

Query Match 49.4%; Score 43; DB 2; Length 184;
 Best Local Similarity 53.3%; Pred. No. 35; Gaps 1;
 Matches 8; Conservative 2; Mismatches 3; Indels 2;
 Gaps 1;

Qy 1 YSGPPSGARRNCYE 15
 Db 54 YNGTPPGV--RNCYE 66

RESULT 4
 US-09-252-991A-24793
 Sequence 24793, Application US/09252991A
 GENERAL INFORMATION:
 Patent No. 6551795
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 24793
 LENGTH: 258
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-24793

Query Match 49.4%; Score 43; DB 2; Length 258;
 Best Local Similarity 72.7%; Pred. No. 48; Gaps 0;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 GPPSGARRNC 13
 Db 139 GLPSGRRRRRC 149

RESULT 5
 US-08-459-448A-19
 Sequence 19, Application US/08459448A
 Patent No. 5859336
 GENERAL INFORMATION:
 APPLICANT: Koziel, Michael G.
 APPLICANT: Desai, Nalini M.
 APPLICANT: Lewis, Kelly S.
 APPLICANT: Kramer, Vance C.
 APPLICANT: Warren, Gregory W.
 APPLICANT: Evola, Stephen V.
 APPLICANT: Crossland, Lydie D.
 APPLICANT: Wright, Martha S.
 APPLICANT: Merlin, Ellis J.
 APPLICANT: Launis, Karen L.
 APPLICANT: Rothstein, Steven J.
 APPLICANT: Bowman, Cindy G.
 APPLICANT: Dawson, John L.
 APPLICANT: Dundur, Erik M.
 APPLICANT: Pace, Gary M.
 APPLICANT: Suttie, Janet L.
 TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED
 INSECTICIDAL ACTIVITY IN MAIZE
 NUMBER OF SEQUENCES: 94
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CIBA-GEIGY Corporation
 STREET: 7 Skyline Drive
 CITY: Hawthorne
 STATE: New York
 COUNTRY: USA
 ZIP: 10532
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.3.0B
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/951,715A
 FILING DATE: 25-SEP-1992
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/772,027
 FILING DATE: 04-OCT-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Spruill, W. Murray
 REGISTRATION NUMBER: 32,943
 REFERENCE/DOCKET NUMBER: S-18805/A/CGC 1577/CLP
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (919)541-8615
 TELEFAX: (919)541-8689
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 346 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-07-951-715A-19

Query Match 49.4%; Score 43; DB 1; Length 346;
 Best Local Similarity 42.9%; Pred. No. 64; Gaps 0;
 Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNCYE 15
 Db 63 APPQAGRRRRCQ 76

RESULT 6
 US-08-459-448A-19
 Sequence 19, Application US/08459448A
 Patent No. 5859336
 GENERAL INFORMATION:
 APPLICANT: Koziel, Michael G.
 APPLICANT: Desai, Nalini M.

APPLICANT: Crossland, Lyle D.
 APPLICANT: Wright, Marsha S.
 APPLICANT: Merlin, Ellis J.
 APPLICANT: Launis, Karen L.
 APPLICANT: Rothstein, Steven J.
 APPLICANT: Bowman, Cindy G.
 APPLICANT: Dawson, John L.
 APPLICANT: Dunder, Erik M.
 APPLICANT: Pace, Gary M.
 APPLICANT: Suttie, Janet L.
 APPLICANT: Research Triangle Park
 TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED
 INSECTICIDAL ACTIVITY IN MAIZE
 NUMBER OF SEQUENCES: 94
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6075185artis Corporation
 STREET: 3054 Corrwallis Road
 CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459,504B
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/459,595
 FILING DATE: 02-JUN-1995
 APPLICATION NUMBER: US 07/951,715
 FILING DATE: 25-SEP-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/772,027
 FILING DATE: 04-OCT-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 38,241
 REFERENCE/DOCKET NUMBER: CGC1577/CIP/DIV
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (919)541-8587
 TELEFAX: (919)541-8689
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 346 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US - 08-459-504B-19

Query Match 49.4%; Score 43; DB 2; Length 346;
 Best Local Similarity 42.9%; Pred. No. 64;
 Matches 6; Conservative 3; Mismatches 5; Indels 8

Qy	2 SGPPSGARRRNCYE 15
Db	63 AAPQAGRARRHQ 76

RESULT 9
 US - 08-459-444-19
 ; Sequence 19, Application US/08459444A
 ; Patent No. 611014
 ; GENERAL INFORMATION:
 ; APPLICANT: Koziel, Michael G.
 ; Desai, Nalini M.
 ; Lewis, Kelly S.
 ; Kramer, Vance C.
 ; Warren, Gregory W.
 ; Evola, Stephan V.
 ; Crossland, Lyle D.

Wright, Martha S.
Merlin, Ellis J.
Lanulis, Karen L.

NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6121014artis Agribusiness Biotechnology Research, Inc.
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
ZIP: 27709

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,444A
FILING DATE: 02-Jun-1995
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-SEP-1992
APPLICATION NUMBER: US 07/772,027
FILING DATE: 04-OCT-1991

ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: S-18805/P1/CGC1577/CIP/DIV6

TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)341-8587
TELEFAX: (919)541-8689

INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 346 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-08-459-4441-19

Query Match Score 43; DB 2; Length 346;
Best Local Similarity 42.9%; Pred. No. 64;
Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRRNCY 15
Db 63 AAPFQAGRRRRHQ 76

RESULT 10
US-09-541-422-19
Application US/09547422
Patent No. 6320100

GENERAL INFORMATION:
APPLICANT: Koziel, Michael G.
Desai, Nalini M.
Lewis, Kelly S.
Kramer, Vance C.
Warren, Gregory W.
Evolia, Stephen V.
Crossland, Lyle D.
Wright, Martha S.
Merlin, Ellis J.
Lanulis, Karen L.

TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED
INSECTICIDAL ACTIVITY IN MAIZE

NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6320100artis Agribusiness Biotechnology Research, Inc.
STREET: 3054 Cornwallis Road

CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/547,422
 FILING DATE: 11-Apr-2000
 PRIORITY NUMBER: US/09/547,422
 FILING DATE: 11-Apr-2000
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/459,595
 FILING DATE: 02-Jun-1995
 APPLICATION NUMBER: US/07/951,715
 FILING DATE: 25-Sep-1992
 APPLICATION NUMBER: US/07/772,027
 FILING DATE: 04-Oct-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 38,241
 REFERENCE/DOCKET NUMBER: S-18805H
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (919) 541-8587
 TELEFAX: (919) 541-8689
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 346 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 19:
 US-09-547-422-19

Query Match Score 43; DB 2; Length 346;
 Best Local Similarity 42.9%; Pred. No. 64;
 Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
 US-09-547-422-19

RESULT 11
 US-09-988-462-19
 Sequence 19, Application US/09988462
 Patent No. 6720488
 GENERAL INFORMATION:
 APPLICANT: Kozel, Michael G.
 Desai, Nalini M.
 Lewis, Kelly S.
 Kramer, Vance C.
 Warren, Gregory W.
 Evola, Stephen V.
 Crossland, Lyle D.
 Wright, Martha S.
 Merlin, Ellis J.
 Lounis, Karen L.
 TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED
 INSECTICIDAL ACTIVITY IN MAIZE
 NUMBER OF SEQUENCES: 94
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Syngenta Biotechnology, Inc.
 STREET: 3054 Cornwallis Road
 CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/083,521
 FILING DATE: Herewith
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cerrone, Michael C.
 REGISTRATION NUMBER: 39,132
 REFERENCE/DOCKET NUMBER: PF-0227 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 410 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: BRSUT03
 CLONE: 1999442

US-09-083-521-2

Query Match Score 43; DB 2; Length 410;
 Best Local Similarity 72.7%; Pred. No. 76;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 GPPSGARRNC 13
 Db 190 GPPSGARRGC 200

RESULT 13
 US-09-252-991A-18128
 Sequence 18128, Application US/09252991A.
 GENERAL INFORMATION:
 Patent No. 6551795
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252.991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 18128
 LENGTH: 276
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-18128

Query Match Score 43%; DB 2; Length 276;
 Best Local Similarity 66.7%; Pred. No. 73;
 Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNC 13
 Db 182 SGFGTPARRRC 193

RESULT 14
 US-08-327-219-6
 Sequence 6, Application US/08927219
 Patent No. 618533
 GENERAL INFORMATION:
 APPLICANT: Bell, Graeme I.
 APPLICANT: Yamaata, Kazuya
 APPLICANT: Oda, Naohisa
 APPLICANT: Kaisaki, Pamela J.
 APPLICANT: Furuta, Hiroto
 APPLICANT: Horikawa, Yukio
 APPLICANT: Menzel, Stephen
 TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
 TITLE OF INVENTION: GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
 NUMBER OF SEQUENCES: 147
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4333
 CITY: Houston
 STATE: Texas
 COUNTRY: USA

US-09-252-991A-22424

Query Match Score 42; DB 2; Length 314;
 Best Local Similarity 61.5%; Pred. No. 83;
 Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 YSGPPSGARRNC 13
 Db 286 YSGPPPRPPTC 298

RESULT 15
 US-09-252-991A-22424
 Sequence 22424, Application US/09252991A
 GENERAL INFORMATION:
 Patent No. 6551795
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 SEQ ID NO 22424
 LENGTH: 613
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-22424

Query Match Score 42; DB 2; Length 613;
 Best Local Similarity 58.3%; Pred. No. 1.6e+02;
 Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 2 SCPPSGARRNC 13
 Db 597 SATGGPFRKNC 608

RESULT 16
 US-09-252-991A-18930
 ; Sequence 18930, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 18930
 ; LENGTH: 672
 ; TYPE: PRT
 ; ORGANISM: *Pseudomonas aeruginosa*
 ; US-09-252-991A-18930

Query Match 48.3%; Score 42; DB 2; Length 672;
 Best Local Similarity 70.0%; Pred. No. 1.8e+02;
 Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPSGARR 11
 :|||:|||
 Db 72 AGPPTGPRRR 81

RESULT 17
 US-09-252-991A-26684
 ; Sequence 26684, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 26684
 ; LENGTH: 127
 ; TYPE: PRT
 ; ORGANISM: *Pseudomonas aeruginosa*
 ; US-09-252-991A-26684

Query Match 47.1%; Score 41; DB 2; Length 127;
 Best Local Similarity 80.0%; Pred. No. 49;
 Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 GPPSGARR 12
 :|||:|||
 Db 73 GSPSSARRN 82

RESULT 18
 US-09-252-991A-21532
 ; Sequence 21532, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US 60/074,788
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 21532

Query Match 47.1%; Score 41; DB 2; Length 145;
 Best Local Similarity 70.0%; Pred. No. 55;
 Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPSGARR 11
 :|||:|||
 Db 75 SAPTGSRR 84

RESULT 19
 US-09-252-991A-18183
 ; Sequence 18183, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 18183
 ; LENGTH: 146
 ; TYPE: PRT
 ; ORGANISM: *Pseudomonas aeruginosa*
 ; US-09-252-991A-18183

Query Match 47.1%; Score 41; DB 2; Length 146;
 Best Local Similarity 87.5%; Pred. No. 56;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GPPSGARR 10
 :|||:|||
 Db 57 GPPGARR 64

RESULT 20
 US-09-252-991A-21289
 ; Sequence 21289, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US 60/074,788
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 21289
 ; LENGTH: 156
 ; TYPE: PRT
 ; ORGANISM: *Pseudomonas aeruginosa*
 ; US-09-252-991A-21289

Query Match 47.1%; Score 41; DB 2; Length 156;
 Best Local Similarity 66.7%; Pred. No. 60;
 Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 Qy 3 GPPSGARRNCY 14
 Db 133 GPPAGAARRPAPY 144

RESULT 21
 US-09-252-991A-25992
 ; Sequence 25992, Application US/09252991A.
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252.991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 25992
 ; LENGTH: 260
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-25992

US-09-252-991A-25992 Application US/09252991A
 ; Sequence 25992, Application US/09252991A.
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252.991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 25992
 ; LENGTH: 260
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-25992

Query Match 47.1%; Score 41; DB 2; Length 260;
 Best Local Similarity 66.7%; Pred. No. 99;
 Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 Qy 2 SGPPSGARRNC 13
 Db 19 SGAPMGYRRAC 30

RESULT 22
 US-09-252-991A-27955
 ; Sequence 27955, Application US/09252991A.
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252.991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 27955
 ; LENGTH: 341
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-27955

US-09-252-991A-27955 Application US/09252991A
 ; Sequence 27955, Application US/09252991A.
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252.991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 27955
 ; LENGTH: 341
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-27955

Query Match 47.1%; Score 41; DB 2; Length 341;
 Best Local Similarity 77.8%; Pred. No. 1.3e+02;
 Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 Qy 3 GPPSGARR 11
 Db 310 GPPAGQRR 318

RESULT 23
 US-09-252-991A-27955 Application US/09252991A
 ; Sequence 27955, Application US/09252991A.
 ; GENERAL INFORMATION:
 ; APPLICANT: Walk, D. Wade
 ; APPLICANT: Wang, Xiaoming
 ; APPLICANT: Scoville, John
 ; APPLICANT: Turner, C. Alexander, Jr.
 ; TITLE OF INVENTION: No. 6750054 Human Semaphorin Homologs and Polynucleotides Encod
 ; FILE REFERENCE: LEX-0177-USA
 ; CURRENT APPLICATION NUMBER: US/09/854,845

```

; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 41
; LENGTH: 598
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-854-845-41

Query Match 1 YSGPPSG-----ARRNCYE 15
Score 40.5%; Pred. No. 2.7e+02; Length 598;
Best Local Similarity 37.5%; Mismatches 3; Indels 9; Gaps 1;
Matches 9; Conservative 3; Gaps 1;

RESULT 26
US-09-854-845-39
Sequence 39, Application US/09854845
Patent No. 6750054
GENERAL INFORMATION:
APPLICANT: Walke, D. Wade
APPLICANT: Wang, Xiaoming
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Genes
FILE REFERENCE: LEX-0177-USA
CURRENT APPLICATION NUMBER: US/09/854,845
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: US 60/205,274
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/208,893
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 39
LENGTH: 603
TYPE: PRT
ORGANISM: homo sapiens
US-09-854-845-39

Query Match 1 YSGPPSG-----ARRNCYE 15
Score 40.5%; Pred. No. 2.7e+02; Length 603;
Best Local Similarity 37.5%; Mismatches 3; Indels 9; Gaps 1;
Matches 9; Conservative 3; Gaps 1;

RESULT 27
US-09-854-845-25
Sequence 25, Application US/09854845
Patent No. 6750054
GENERAL INFORMATION:
APPLICANT: Walke, D. Wade
APPLICANT: Wang, Xiaoming
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Genes
FILE REFERENCE: LEX-0177-USA
CURRENT APPLICATION NUMBER: US/09/854,845
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: US 60/205,274
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/208,893
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 45
LENGTH: 739
TYPE: PRT
US-09-854-845-25

Query Match 1 YSGPPSG-----ARRNCYE 15
Score 40.5%; Pred. No. 3.1e+02; Length 697;
Best Local Similarity 37.5%; Mismatches 3; Indels 9; Gaps 1;
Matches 9; Conservative 3; Gaps 1;

RESULT 28
US-09-854-845-23
Sequence 23, Application US/09854845
Patent No. 6750054
GENERAL INFORMATION:
APPLICANT: Walke, D. Wade
APPLICANT: Wang, Xiaoming
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Genes
FILE REFERENCE: LEX-0177-USA
CURRENT APPLICATION NUMBER: US/09/854,845
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: US 60/205,274
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/208,893
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 23
LENGTH: 702
TYPE: PRT
ORGANISM: homo sapiens
US-09-854-845-23

Query Match 1 YSGPPSG-----ARRNCYE 15
Score 40.5%; Pred. No. 3.1e+02; Length 702;
Best Local Similarity 37.5%; Mismatches 3; Indels 9; Gaps 1;
Matches 9; Conservative 3; Gaps 1;

RESULT 29
US-09-854-845-45
Sequence 45, Application US/09854845
Patent No. 6750054
GENERAL INFORMATION:
APPLICANT: Walke, D. Wade
APPLICANT: Wang, Xiaoming
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Genes
FILE REFERENCE: LEX-0177-USA
CURRENT APPLICATION NUMBER: US/09/854,845
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: US 60/205,274
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/208,893
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 45
LENGTH: 739
TYPE: PRT
US-09-854-845-45

Query Match 1 YSGPPSG-----ARRNCYE 15
Score 40.5%; Pred. No. 3.1e+02; Length 516;
Best Local Similarity 37.5%; Mismatches 3; Indels 9; Gaps 1;
Matches 9; Conservative 3; Gaps 1;

RESULT 30
US-09-854-845-54
Sequence 54, Application US/09854845
Patent No. 6750054
GENERAL INFORMATION:
APPLICANT: Walke, D. Wade
APPLICANT: Wang, Xiaoming
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Genes
FILE REFERENCE: LEX-0177-USA
CURRENT APPLICATION NUMBER: US/09/854,845
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: US 60/205,274
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/208,893
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 50
LENGTH: 739
TYPE: PRT
US-09-854-845-54

```

Organism: homo sapiens
 US-09-854-845-45
 Query Match 46.6%; Score 40.5%; DB 2; Length 739;
 Best Local Similarity 37.5%; Pred. No. 3.3e+02;
 Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Qy 1 YSGPPSG-----ARRNCYE 15
 Db 394 YVGAPSGVIQQLPLSSCSRYRSCYD 417

RESULT 30
 US-09-854-845-43
 Sequence 43, Application US/09854845
 Patent No. 6750054
 GENERAL INFORMATION:
 APPLICANT: Walk, D. Wade
 APPLICANT: Wang, Xiaoming
 APPLICANT: Scoville, John
 APPLICANT: Turner, C. Alexander Jr.
 TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encod
 FILE REFERENCE: LEX-0177-USA
 CURRENT APPLICATION NUMBER: US/09/854 845
 CURRENT FILING DATE: 2001-05-14
 PRIOR APPLICATION NUMBER: US 60/205,274
 PRIOR FILING DATE: 2000-05-18
 NUMBER OF SEQ ID NOS: 50
 SOFTWARE: Fast-SEQ for Windows Version 4.0
 SEQ ID NO 43
 LENGTH: 744
 PRIOR APPLICATION NUMBER: US 60/208,893
 PRIOR FILING DATE: 2000-06-02
 NUMBER OF SEQ ID NOS: 50
 SOFTWARE: Fast-SEQ for Windows Version 4.0
 SEQ ID NO 43
 LENGTH: 744
 TYPE: PRT
 ORGANISM: homo sapiens
 US-09-854-845-43

Query Match 46.6%; Score 40.5%; DB 2; Length 744;
 Best Local Similarity 37.5%; Pred. No. 3.3e+02;
 Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Qy 1 YSGPPSG-----ARRNCYE 15
 Db 394 YVGAPSGVIQQLPLSSCSRYRSCYD 417

RESULT 31
 US-09-854-845-49
 Sequence 49, Application US/09854845
 Patent No. 6750054
 GENERAL INFORMATION:
 APPLICANT: Walk, D. Wade
 APPLICANT: Wang, Xiaoming
 APPLICANT: Scoville, John
 APPLICANT: Turner, C. Alexander Jr.
 TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encod
 FILE REFERENCE: LEX-0177-USA
 CURRENT APPLICATION NUMBER: US/09/854 845
 CURRENT FILING DATE: 2001-05-14
 PRIOR APPLICATION NUMBER: US 60/205,274
 PRIOR FILING DATE: 2000-05-18
 NUMBER OF SEQ ID NOS: 50
 SOFTWARE: Fast-SEQ for Windows Version 4.0
 SEQ ID NO 49
 LENGTH: 766
 TYPE: PRT
 ORGANISM: homo sapiens
 US-09-854-845-49

Query Match 46.6%; Score 40.5%; DB 2; Length 766;
 Best Local Similarity 37.5%; Pred. No. 3.4e+02;
 Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Qy 1 YSGPPSG-----ARRNCYE 15
 Db 493 YVGAPSGVIQQLPLSSCSRYRSCYD 516

RESULT 34
US-09-854-845-27
; Sequence 27, Application US/09854845
; Patent No. 6750054
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. 6750054e1 Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Homologs and Polynucleotides
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854, 845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 27
; LENGTH: 843
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-854-845-27

Query Match 46.6%; Score 40.5; DB 2; Length 843;
Best Local Similarity 37.5%; Pred. No. 3.8e+02;
Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Db 493 YVGAPSGVQLPLSSCSRYRSCYD 516

RESULT 35
US-09-854-845-33
; Sequence 33, Application US/09854845
; Patent No. 6750054
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. 6750054e1 Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Homologs and Polynucleotides
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854, 845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 33
; LENGTH: 865
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-854-845-33

Query Match 46.6%; Score 40.5; DB 2; Length 865;
Best Local Similarity 37.5%; Pred. No. 3.9e+02;
Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Db 493 YVGAPSGVQLPLSSCSRYRSCYD 516

RESULT 38
US-09-248-796A-15677
; Sequence 15677, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBIC

RESULT 36
US-09-854-845-31
; Sequence 31, Application US/09854845

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; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO: 15677
; LENGTH: 186
; TYPE: PRT
; ORGANISM: Candida albicans
us-09-248-96A-15677

RESULT 39
US-09-252-991A-29348
; Sequence 29348, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-04-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 29348
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
us-09-252-991A-29348

RESULT 40
US-09-252-991A-31733
; Sequence 31733, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-04-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 31733
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
us-09-252-991A-31733

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GenCore version 5.1.7
 (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on: February 11, 2006, 08:31:03 ; Search time 17 Seconds
 (without alignments)
 11.579 Million cell updates/sec

Title: SWOP-018-SEQ1
 Perfect score: 87

Sequence: 1 ysgppsgarrnccye 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 97014 seqs, 13122538 residues

Total number of hits satisfying chosen parameters: 97014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0³
 Maximum Match 0⁴
 Listing first 45 summaries

Database : Published Applications AA_New:*

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3: /cgn2_6/ptodata/1/pubpaas/PCT_NEW_PUB_pep:*

4: /cgn2_6/ptodata/1/pubpaas/US10_NEW_PUB_pep:*

5: /cgn2_6/ptodata/1/pubpaas/US05_NEW_PUB_pep:*

6: /cgn2_6/ptodata/1/pubpaas/US10_NEW_PUB_pep:*

7: /cgn2_6/ptodata/1/pubpaas/US11_NEW_PUB_pep:*

8: /cgn2_6/ptodata/1/pubpaas/US60_NEW_PUB_pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	47	54.0	271	7 US-11-169-041-170	Sequence 170, App
2	43	49.4	346	6 US-10-755-092-19	Sequence 19, App
3	39	44.8	391	6 US-10-978-556A-86	Sequence 86, App
4	39	44.8	424	6 US-10-453-372-68	Sequence 68, App
5	39	44.8	550	6 US-10-453-372-76	Sequence 76, App
6	39	44.8	575	6 US-10-453-372-78	Sequence 78, App
7	39	44.8	578	6 US-10-453-372-66	Sequence 66, App
8	39	44.8	578	6 US-10-453-372-80	Sequence 80, App
9	39	44.8	953	6 US-10-966-866-2	Sequence 2, App
10	38	43.7	296	6 US-10-793-666-2968	Sequence 2968, App
11	38	43.7	349	7 US-11-130-821-2	Sequence 2, App
12	38	43.7	374	7 US-11-080-991-16	Sequence 16, App
13	38	43.7	426	7 US-11-024-959-449	Sequence 449, App
14	38	43.7	565	6 US-10-055-877-228	Sequence 228, App
15	38	43.7	613	6 US-10-055-877-228	Sequence 227, App
16	38	43.7	891	7 US-11-182-016-38	Sequence 38, App
17	37.5	43.1	72	7 US-11-123-896-183	Sequence 183, App
18	37.5	43.1	456	5 US-09-978-360A-523	Sequence 523, App
19	37	42.5	1390	7 US-11-063-333-35	Sequence 35, App
20	37	42.5	44	7 US-11-123-896-147	Sequence 147, App
21	36	41.4	71	7 US-11-123-896-146	Sequence 146, App
22	36	41.4	99	6 US-10-387-540-9	Sequence 9, App
23	36	41.4	108	6 US-10-589-742-40	Sequence 40, App
24	36	41.4	250	6 US-10-821-234-1297	Sequence 1297, App
25	36	41.4			

ALIGNMENTS

RESULT 1
 US-11-169-041-170
 ; Sequence 170, Application US/11169041
 ; Publication No. US200601284A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: COMPOUNDS FOR PREDICTING ACTIVITY OF
 ; COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE
 ; KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
 ; TITLE OF INVENTION: CELLUS
 ; FILE REFERENCE: 10001 NP
 ; CURRENT APPLICATION NUMBER: US/11-169, 041
 ; CURRENT FILING DATE: 2005-06-30
 ; PRIORITY FILING DATE: 2004-06-30
 ; NUMBER OF SEQ ID NOS: 527
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 170
 ; LENGTH: 271
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-11-169-041-170

Query Match 54.0%; Score 47; DB 7; Length 271;
 Best Local Similarity 72.7%; Pred. No. 1.6;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 ; GENERAL INFORMATION:
 ; APPLICANT: Koziel, Michael G.
 ; Desai, Nalini M.
 ; Lewis, Kelly S.
 ; Kramer, Vance C.
 ; Warren, Gregory W.
 ; Evola, Stephen V.
 ; Crossland, Lytle D.
 ; Wright, Martha S.
 ; Merlin, Ellis J.
 ; Launis, Karen L.
 ; TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED

NUMBER OF SEQUENCES: 94
 CORRESPONDENCE ADDRESS: Syngenta Biotechnology, Inc.
 STREET: 2054 Cornwallis Road
 CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/755,092
 FILING DATE: 08-Jan-2004
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/988,462
 FILING DATE: 20-Nov-2001
 APPLICATION NUMBER: US 09/547,422
 FILING DATE: 11-APR-2000
 APPLICATION NUMBER: US 08/459,504
 FILING DATE: 02-JUN-1995
 APPLICATION NUMBER: US 07/951,715
 FILING DATE: 25-SEP-1992
 APPLICATION NUMBER: US 07/772,027
 FILING DATE: 04-OCT-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 38,241
 REFERENCE/DOCKET NUMBER: S-188051
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (919)541-8587
 TELEFAX: (919)541-8689
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 346 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 19:
 US-10-755-092-19

Query Match 2 SGPPSGARRRNCC 15
 Best Local Similarity 49.4%; Score 43; DB 6; Length 346;
 Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
 SEQ ID NO 86
 LENGTH: 391
 TYPE: PRT
 ORGANISM: Homo sapiens
 PUBLIC "-//IUBIO//CDNA//PROTEIN//1.0//EN//";
 DATABASE ACCESS NUMBER: sw hum/rog_human
 DATABASE ENTRY DATE: 1994-10-01

RESULT 3 US-10-878-556A-86
 ; Sequence 86, Application US/10878556A
 ; Publication No. US/0050266399A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hoffmann La-Roche Inc.
 ; TITLE OF INVENTION: HCV regulated protein expression
 ; CURRENT FILING DATE: 2004-06-28
 ; FILE REFERENCE: 211762
 ; NUMBER OF SEQ ID NOS: 199
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 86
 ; LENGTH: 391
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; PUBLIC "-//IUBIO//CDNA//PROTEIN//1.0//EN//";
 ; DATABASE ACCESS NUMBER: sw hum/rog_human
 ; DATABASE ENTRY DATE: 1994-10-01

US-10-878-556A-86
 Query Match 44.8%; Score 39; DB 6; Length 391;
 Best Local Similarity 53.3%; Pred. No. 38; 1; Mismatches 6; Indels 0; Gaps 0;
 SEQ 1 YSGPPSGARRRNCC 15
 Db 272 YSDHPSGGSRDSDYE 286

RESULT 4 US-10-453-372-68
 ; Sequence 68, Application US/10453372
 ; Publication No. US/0060003323A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alsobrook, et al.
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
 ; FILE REFERENCE: 21402-589 A
 ; CURRENT FILING DATE: 2003-06-03
 ; PRIOR APPLICATION NUMBER: 09/10453,372
 ; PRIOR FILING DATE: 2001-02-23
 ; PRIOR APPLICATION NUMBER: 60/185967
 ; PRIOR FILING DATE: 2000-03-01
 ; PRIOR APPLICATION NUMBER: 09/823187
 ; PRIOR FILING DATE: 2001-03-29
 ; PRIOR APPLICATION NUMBER: 60/195792
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 09/839446
 ; PRIOR FILING DATE: 2001-03-19
 ; PRIOR APPLICATION NUMBER: 60/199476
 ; PRIOR FILING DATE: 2000-03-25
 ; PRIOR APPLICATION NUMBER: 09/863776
 ; PRIOR FILING DATE: 2001-05-13
 ; PRIOR APPLICATION NUMBER: 60/208263
 ; PRIOR FILING DATE: 2000-05-31
 ; PRIOR APPLICATION NUMBER: 09/939398
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: 60/227800
 ; PRIOR FILING DATE: 2000-08-25
 ; Remaining Prior Application data removed - See File Wrapper or PAML.
 ; NUMBER OF SEQ ID NOS: 1609
 ; SOFTWARE: Curaseldist version 0.1
 ; SEQ ID NO 68
 ; LENGTH: 424
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-453-372-68

Query Match 2 SGPPSGARRRNCC 13
 Best Local Similarity 50.0%; Pred. No. 40; 3; Mismatches 3; Indels 0; Gaps 0;

RESULT 5 US-10-453-372-76
 ; Sequence 76, Application US/10453372
 ; Publication No. US/0060003323A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alsobrook, et al.
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
 ; FILE REFERENCE: 21402-589 A
 ; CURRENT FILING DATE: 2003-06-03
 ; PRIOR APPLICATION NUMBER: 09/789390
 ; PRIOR FILING DATE: 2001-02-23
 ; PRIOR APPLICATION NUMBER: 60/185967
 ; PRIOR FILING DATE: 2000-03-01
 ; PRIOR APPLICATION NUMBER: 09/823187
 ; PRIOR FILING DATE: 2001-03-29
 ; PRIOR APPLICATION NUMBER: 60/195792
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 09/839446
 ; PRIOR FILING DATE: 2001-03-19
 ; PRIOR APPLICATION NUMBER: 60/199476
 ; PRIOR FILING DATE: 2000-03-25
 ; PRIOR APPLICATION NUMBER: 09/863776
 ; PRIOR FILING DATE: 2001-05-13
 ; PRIOR APPLICATION NUMBER: 60/208263
 ; PRIOR FILING DATE: 2000-05-31
 ; PRIOR APPLICATION NUMBER: 09/939398
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: 60/227800
 ; PRIOR FILING DATE: 2000-08-25
 ; Remaining Prior Application data removed - See File Wrapper or PAML.
 ; NUMBER OF SEQ ID NOS: 1609
 ; SOFTWARE: Curaseldist version 0.1
 ; SEQ ID NO 68
 ; LENGTH: 424
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-453-372-76

Query Match 2 SGPPSGARRRNCC 13
 Best Local Similarity 50.0%; Pred. No. 40; 3; Mismatches 3; Indels 0; Gaps 0;

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; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR APPLICATION NUMBER: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278000
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO: 76
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-76

Query Match          44 8%;  Score 39;  DB 6;  Length 550;
Best Local Similarity 50.0%;  Pred. No. 52;
Matches 6;  Conservative 3;  Mismatches 3;  Indels 0;  Gaps 0;

Qy      2 SGPPSGARRNC 13
Db      :|||:||:|:
559 AGPELGSRKKC 570

RESULT 7
US-10-453-372-66
; Sequence 66, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alisbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-66

Query Match          44 8%;  Score 39;  DB 6;  Length 578;
Best Local Similarity 50.0%;  Pred. No. 52;
Matches 6;  Conservative 3;  Mismatches 3;  Indels 0;  Gaps 0;

Qy      2 SGPPSGARRNC 13
Db      :|||:||:|:
562 AGPELGSRKKC 573

RESULT 8
US-10-453-372-80
; Sequence 80, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alisbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO: 78
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-78

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; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939938
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227900
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 1609
; SEQ ID NO: 80
; LENGTH: 578
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-80

Query Match          44.0%;  Score 39;  DB 6;  Length 578;
Best Local Similarity 50.0%;  Pred. Nc. 53;
Matches 6;  Conservative 3;  Mismatches 3;  Indels 0;  Gaps 0;
Qy      2 SGPBPGARRRNC 13
Db      562 AGPELGSSRRK 578

RESULT 9
US-10-966-846-2
; Sequence 2, Application US/10966846
; Publication No. US20050287612A1
; GENERAL INFORMATION:
;   APPLICANT: Girardin, Stephen
;   TITLE OF INVENTION: CARD-4 MOLECULES AND USES THEREOF
;   FILE REFERENCE: 07334-371004
;   CURRENT APPLICATION NUMBER: US/10/966..846
;   CURRENT FILING DATE: 2004-10-15
;   PRIOR APPLICATION NUMBER: US 10/706,857
;   PRIOR FILING DATE: 2003-11-12
;   PRIOR APPLICATION NUMBER: US 10/352,381
;   PRIOR FILING DATE: 2003-01-27
;   PRIOR APPLICATION NUMBER: US 10/154,485
;   PRIOR FILING DATE: 2002-05-22
;   PRIOR APPLICATION NUMBER: US 10/027,881
;   PRIOR FILING DATE: 2001-12-20
;   PRIOR APPLICATION NUMBER: US 60/258,724
;   PRIOR FILING DATE: 2000-12-29
;   NUMBER OF SEQ ID NOS: 3
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO: 2
;   LENGTH: 953
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-966-846-2

Query Match          44.0%;  Score 39;  DB 6;  Length 953;
Best Local Similarity 54.5%;  Pred. Nc. 80;
Matches 6;  Conservative 2;  Mismatches 3;  Indels 0;  Gaps 0;
Qy      4 PPSGARRRNC 14
Db      549 PPAGHATTSCTY 559

RESULT 10
US-11-080-991-16
; Sequence 16, Application US/11080991

```

Publication No. US20050266437A1
 GENERAL INFORMATION:
 APPLICANT: Veiby, Petter Ole
 TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST AND OVARIAN CANCER
 TITLE OF INVENTION:
 FILE REFERENCE: MRI-039
 CURRENT APPLICATION NUMBER: US/11/080,991
 CURRENT FILING DATE: 2005-03-11
 PRIOR APPLICATION NUMBER: US/10/176,847
 PRIOR FILING DATE: 2002-06-21
 NUMBER OF SEQ ID NOS: 112
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 16
 LENGTH: 374
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-11-080-991-16

Query Match 43.7%; Score 38; DB 7; Length 374;
 Best Local Similarity 46.7%; Pred. No. 52;
 Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 1 YGPPSGARRNCYE 15
 Db 34 YPGPAGAGDTTSPE 48

RESULT 13
 US-11-024-959-449
 Sequence 449, Application US/11024959
 Publication No. US20060010516A1
 GENERAL INFORMATION:
 APPLICANT: FORSTER, RICHARD L.
 APPLICANT: CONNETT, MARIE B.
 APPLICANT: EMERSON, SARAH JANE
 APPLICANT: GRIGOR, MURRAY ROBERT
 APPLICANT: HIGGINS, COLLEEN M.
 APPLICANT: LUND, STEVEN TROY
 APPLICANT: MAGHIN, ANDREAS
 APPLICANT: KODRZYCKI, BOB
 TITLE OF INVENTION: CBL CYCLE GENES AND RELATED METHODS
 FILE REFERENCE: 044463-0360
 CURRENT APPLICATION NUMBER: US/11/024,959
 CURRENT FILING DATE: 2004-12-30
 PRIOR APPLICATION NUMBER: 60/533,036
 PRIOR FILING DATE: 2003-12-30
 NUMBER OF SEQ ID NOS: 782
 SOFTWARE: PatentIn version 3.3
 SEQ ID NO 49
 LENGTH: 426
 TYPE: PRT
 ORGANISM: Pinus radiata
 US-11-024-959-449

Query Match 43.7%; Score 38; DB 7; Length 426;
 Best Local Similarity 66.7%; Pred. No. 58;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPSGARR 10
 Db 74 AGPPGSSRR 82

RESULT 14
 US-10-055-877-228
 Sequence 228, Application US/10055877
 Publication No. US20050288241A1
 GENERAL INFORMATION:
 APPLICANT: DeCristofaro, Marc
 APPLICANT: Padigaru, Muraiidhara
 APPLICANT: Miller, Charles
 APPLICANT: Tchernev, Velizar

Query Match 43.7%; Score 38; DB 6; Length 565;
 Best Local Similarity 46.2%; Pred. No. 74;
 Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNEY 14
 Db 487 AGPPAGLLRNCP 499

RESULT 15
 US-10-055-877-227
 Sequence 227, Application US/10055877
 Publication No. US2005028841A1
 GENERAL INFORMATION:
 APPLICANT: DeCristofaro, Marc
 APPLICANT: Padigaru, Muraiidhara
 APPLICANT: Miller, Charles
 APPLICANT: Tchernev, Velizar

```

Publication No. US0060019294A1
; GENERAL INFORMATION:
; APPLICANT: SUGEN, INC.
; TITLE OF INVENTION: TYROSINE KINASE SUBSTRATE (TKS) PROTEINS
; CURRENT APPLICATION NUMBER: US/11/182,016
; CURRENT FILING DATE: 2005-07-15
; PRIORITY APPLICATION NUMBER: US/09/958,359
; PRIORITY FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 891
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Tks 202
US-11-182-016-38

Query Match 43.7%; Score 38; DB 7; Length 891;
Best Local Similarity 77.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GPPSGARRR 11
Db 773 GAPSRSRRR 781

RESULT 17
US-11-123-896-183
; Sequence 183, Application US/11123896
; Publication No. US2005027381A1
; GENERAL INFORMATION:
; APPLICANT: Simmons, Carl R.
; APPLICANT: Navarro Acevedo, Pedro A.
; APPLICANT: Harvell, Leslie
; APPLICANT: Cahon, Rebecca
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Lu, Albert
; APPLICANT: Herrmann, Rafael
; APPLICANT: Wong, James
; TITLE OF INVENTION: Definition Polynucleotides and Methods of
; FILE REFERENCE: 3571.8/246703
; CURRENT APPLICATION NUMBER: US/11/123,896
; CURRENT FILING DATE: 2005-05-06
; PRIORITY APPLICATION NUMBER: 60/300,152
; PRIORITY FILING DATE: 2001-06-22
; PRIORITY APPLICATION NUMBER: 60/300,241
; PRIORITY FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 183
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Taraxacum kok-saghyz
US-11-123-896-183

Query Match 43.1%; Score 37.5; DB 7; Length 45;
Best Local Similarity 60.0%; Pred. No. 10;
Matches 9; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

Qy 2 SGPPSGARR-NCYE 15
Db 29 SGKCDGVRRCYC 43

RESULT 18
US-11-123-896-182
; Sequence 182, Application US/11123896
; Publication No. US2005027381A1
; GENERAL INFORMATION:
; APPLICANT: Simmons, Carl R.
; APPLICANT: Simmons, Carl R.

Query Match 43.7%; Score 38; DB 6; Length 613;
Best Local Similarity 46.2%; Pred. No. 79;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNC 14
Db 535 AGPIAGLNRNCF 547

```

; APPLICANT: Navarro Acevedo, Pedro A.
 ; APPLICANT: Harvell, Leslie
 ; APPLICANT: Cahoon, Rebecca
 ; APPLICANT: McCutchen, Billy Fred
 ; APPLICANT: Lu, Albert
 ; APPLICANT: Herrmann, Rafael
 ; TITLE OF INVENTION: Defensin Polynucleotides and Methods of
 ; TITLE OF INVENTION: Use
 ; FILE REFERENCE: 35718/246703
 ; CURRENT APPLICATION NUMBER: US/11/123,896
 ; CURRENT FILING DATE: 2005-05-06
 ; PRIOR APPLICATION NUMBER: 60/300,152
 ; PRIOR FILING DATE: 2001-06-22
 ; PRIOR APPLICATION NUMBER: 60/300,241
 ; PRIOR FILING DATE: 2001-06-22
 ; NUMBER OF SEQ ID NOS: 469
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 182
 ; LENGTH: 72
 ; ORGANISM: Taraxacum kok-saghyz
 US-11-123-896-182

Query Match 43.1%; Score 37.5; DB 7; Length 72;
 Best Local Similarity 60.0%; Pred. No. 15;
 Matches 9; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 2 SGPPSGARR-NCYE 15
 Db 56 SGKCDVRRCTCYE 70

RESULT 19
 US-09-978-360A-523

; Sequence 523, Application US/0978360A
 ; Publication No. US200600963A9

; GENERAL INFORMATION:
 ; APPLICANT: Edward, Jean-Baptiste Dumas Milne
 ; APPLICANT: Duciert, Aymeric
 ; APPLICANT: Bouquelert, Lydie
 ; APPLICANT: Jobert, Severin
 ; APPLICANT: Cluse, Catherine

; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
 ; FILE REFERENCE: 56 USA.CIP
 ; CURRENT APPLICATION NUMBER: US/09/978,360A
 ; CURRENT FILING DATE: 2001-10-15
 ; PRIOR APPLICATION NUMBER: US 60/066,677
 ; PRIOR FILING DATE: 1997-11-13
 ; PRIOR APPLICATION NUMBER: US 60/069,957
 ; PRIOR FILING DATE: 1997-12-17
 ; PRIOR APPLICATION NUMBER: US 60/074,121
 ; PRIOR FILING DATE: 1998-02-09
 ; PRIOR APPLICATION NUMBER: US 60/081,563
 ; PRIOR FILING DATE: 1998-04-13
 ; PRIOR APPLICATION NUMBER: US 60/096,116
 ; PRIOR FILING DATE: 1998-08-10
 ; PRIOR APPLICATION NUMBER: US 60/099,273
 ; PRIOR FILING DATE: -09-04
 ; PRIOR APPLICATION NUMBER: US 09/191,997
 ; PRIOR FILING DATE: 1998-11-13
 ; PRIOR APPLICATION NUMBER: US 09/215,435
 ; PRIOR FILING DATE: 1998-12-17
 ; PRIOR APPLICATION NUMBER: PCT/IB98/02122
 ; PRIOR FILING DATE: 1998-12-17
 ; PRIOR APPLICATION NUMBER: US 09/247,155
 ; PRIOR FILING DATE: 1999-02-19
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; SOFTWARE: Patent.Fmt
 ; SEQ ID NO: 523
 ; LENGTH: 456
 ; TYPE: PRT

; ORGANISM: Homo sapiens
 ; FEATURE: SIGNAL
 ; NAME/KEY: SIGNAL
 ; LOCATION: -22..-1
 ; US-09-978-360A-523

Query Match 42.5%; Score 37; DB 5; Length 456;
 Best Local Similarity 70.0%; Pred. No. 88;
 Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 YSGPPSGARR 10
 Db 259 YSGSSAAQR 268

RESULT 20
 US-11-063-343-35

; Sequence 35, Application US/11063343
 ; Publication No. US20050272061A1

; GENERAL INFORMATION:
 ; APPLICANT: Petrozziello, Joseph M.
 ; APPLICANT: Carter, Paul
 ; APPLICANT: Expression Profiling in Non-Small Cell Lung Cancer

; TITLE OF INVENTION: Expression Profiling in Non-Small Cell Lung Cancer
 ; FILE REFERENCE: 2681-1-003N
 ; CURRENT APPLICATION NUMBER: US/11/063,343
 ; CURRENT FILING DATE: 2005-02-22
 ; PRIOR APPLICATION NUMBER: 60/546,019
 ; PRIOR FILING DATE: 2004-02-19
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 35
 ; LENGTH: 1390
 ; TYPE: PRT

; ORGANISM: Homo sapiens
 US-11-063-343-35

Query Match 42.5%; Score 37; DB 7; Length 1390;
 Best Local Similarity 72.7%; Pred. No. 2,3+02;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YSGPPSGARR 11
 Db 322 YSGPASPAR 332

RESULT 21
 US-11-123-896-147

; Sequence 147, Application US/11123896
 ; Publication No. US20050273881A1

; GENERAL INFORMATION:
 ; APPLICANT: Simmons, Carl R.
 ; APPLICANT: Navarro Acevedo, Pedro A.
 ; APPLICANT: Harvell, Leslie
 ; APPLICANT: Cahoon, Rebecca
 ; APPLICANT: McCutchen, Billy Fred
 ; APPLICANT: Lu, Albert
 ; APPLICANT: Herrmann, Rafael
 ; APPLICANT: Wong, James

; TITLE OF INVENTION: Defensein Polynucleotides and Methods of Use
 ; FILE REFERENCE: 35718/246703
 ; CURRENT APPLICATION NUMBER: US/11/123,896
 ; CURRENT FILING DATE: 2005-05-05
 ; PRIOR APPLICATION NUMBER: 60/300,152
 ; PRIOR FILING DATE: 2001-06-22
 ; PRIOR APPLICATION NUMBER: 60/300,241
 ; PRIOR FILING DATE: 2001-06-22
 ; NUMBER OF SEQ ID NOS: 469
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 147
 ; LENGTH: 44
 ; TYPE: PRT

ORGANISM: Taraxacum kok-saghyz
US-11-123-896-147

Query Match 41.4%; Score 36; DB 7; Length 44;
Best Local Similarity 50.0%; Pred. No. 17;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0; Gaps 0;

Qy 2 SGPPSGARRNCYE 15
Db 29 SGKCDGVRRCTCYK 42

RESULT 22
US-11-123-896-146
Sequence 146, Application US/11123896
Publication No. US20050273881A1
GENERAL INFORMATION:
APPLICANT: Simmons, Carl R.
APPLICANT: Navarro Acevedo, Pedro A.
APPLICANT: Harvill, Leslie
APPLICANT: Cahoon, Rebecca
APPLICANT: McCutchen, Billy Fred
APPLICANT: Lu, Albert
APPLICANT: Herrmann, Rafael
APPLICANT: Wong, James
TITLE OF INVENTION: Defensin Polynucleotides and Methods of
FILE REFERENCE: 35718/246703
CURRENT APPLICATION NUMBER: US/11/123, 896
CURRENT FILING DATE: 2005-05-06
PRIOR APPLICATION NUMBER: 60/300,152
PRIOR FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 469
SEQ ID NO: 146
LENGTH: 71
TYPE: PRT
ORGANISM: Taraxacum kok-saghyz
US-11-123-896-146

Query Match 41.4%; Score 36; DB 7; Length 71;
Best Local Similarity 50.0%; Pred. No. 26;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNCYE 15
Db 56 SGKCDGVRRCTCYK 69

RESULT 23
US-10-887-540-9
Sequence 9, Application US/10887540
Publication No. US20060008876A1
GENERAL INFORMATION:
APPLICANT: El Shami, A. Said A.
APPLICANT: Campbell, Bruce A.
APPLICANT: Sustarsic, Dennis
APPLICANT: Sahakian, Niver P.
TITLE OF INVENTION: ME-2, and EEP2: Human Protein Antigens Reactive with
TITLE OF INVENTION: Autoantibodies Present in the Serum of Women Suffering From
TITLE OF INVENTION: Endometriosis
FILE REFERENCE: 107-226
CURRENT APPLICATION NUMBER: US/10/887, 540
CURRENT FILING DATE: 2004-07-07
NUMBER OF SEQ ID NOS: 9
SEQ ID NO: 9
LENGTH: 99
TYPE: PRT
ORGANISM: Homo sapiens
US-10-887-540-9

Query Match 41.4%; Score 36; DB 6; Length 99;
Best Local Similarity 66.7%; Pred. No. 34;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPGARR 10
Db 85 SGPPPGSQR 93

RESULT 24
US-10-689-742-40
Sequence 40, Application US/10689742
Publication No. US20050250180A1
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John M
APPLICANT: LaVallie, Edward R
APPLICANT: Racine, Lisa A
APPLICANT: Evans, Cherry
APPLICANT: Moberg, David
APPLICANT: Treacy, Maurice
APPLICANT: Spaulding, Vicki
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
FILE REFERENCE: 00766 000091 10
CURRENT APPLICATION NUMBER: US/10/689, 742
CURRENT FILING DATE: 2003-10-22
PRIOR APPLICATION NUMBER: 09/746, 783
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 231
SOFTWARE: Patentin version 3.2
SEQ ID NO: 40
LENGTH: 108
TYPE: PRT
ORGANISM: Homo sapiens
US-10-689-742-40

Query Match 41.4%; Score 36; DB 6; Length 108;
Best Local Similarity 54.5%; Pred. No. 37;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 4 PPSGARRNCY 14
Db 79 PPTRAAARGCY 89

RESULT 25
US-10-021-234-1297
Sequence 1297, Application US/10821234
Publication No. US0050255114A1
GENERAL INFORMATION:
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Andarmani, Susan
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821, 234
CURRENT FILING DATE: 2004-04-07
PRIOR APPLICATION NUMBER: US 60/462, 047
PRIOR FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pt_seq_genes Version 1.0
SEQ ID NO: 1297
LENGTH: 250
TYPE: PRT
ORGANISM: Homo sapiens
US-10-821-234-1297

Query Match 41.4%; Score 36; DB 6; Length 250;
Best Local Similarity 85.7%; Pred. No. 75;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YSGPPSG 7
Db 79 YPGPPSG 85

RESULT 26
US-11-098-686-10747
; Sequence 10747, Application US/11098686
; GENERAL INFORMATION:
; APPLICANT: Kpui, Virek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEAR ACID AND POLYPEPTIDE SEQUENCES
; FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 10747
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-10747

Query Match 41.4%; Score 36; DB 7; Length 394;
Best Local Similarity 85.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YSGPPSG 7
Db 10 YSGPPPG 16

RESULT 27
US-10-877-346-50
; Sequence 50, Application US/10877346
; Publication No. US20060014153A1
; GENERAL INFORMATION:
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: MacDougall, John R.
; APPLICANT: Smithson, Glenna
; APPLICANT: Miller, Isabelle
; APPLICANT: Stone, David
; APPLICANT: Gunther, Erik
; APPLICANT: Ellerman, Karen
; APPLICANT: Gross, William M.
; APPLICANT: Alisbrook II, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Kekuda, Ranesh
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Leach, Martin D.
; APPLICANT: Shmlets, Richard A.
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 214402-124
; CURRENT FILING NUMBER: US/10/877,346
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US/09/964,956
; PRIOR FILING DATE: 2001-09-16
; PRIOR APPLICATION NUMBER: 60/235,631
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,633
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,808
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,064
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,065

Query Match 41.4%; Score 36; DB 7; Length 882;
Best Local Similarity 70.0%; Pred. No. 2.2e+02;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SGPPSGARR 11
Db 660 SGPNRGAKRR 669

RESULT 29
US-11-024-959-459
; Sequence 459, Application US/11024959
; Publication No. US20060010316A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; APPLICANT: TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 04463-0360


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Db 12 PDGVKVKVCY 21
; ORGANISM: Homo sapiens
; US-11-124-368A-254
; Sequence 34, Application US/11124368A
; Publication No. US2005048755A1
; GENERAL INFORMATION:
; APPLICANT: Day, Anthony, G.
; APPLICANT: Goedegebur, Prits
; APPLICANT: Gualfetti, Peter
; APPLICANT: Mitchellson, Colin
; APPLICANT: Neete, Paulien
; APPLICANT: Sandgren, Mats
; APPLICANT: Shaw, Andrew
; APPLICANT: Stahlberg, Jerry
; APPLICANT: Tielens, Henk
; TITLE OF INVENTION: Novel Variant Hypocrea jecorina CBH1
; TITLE OF INVENTION: Cellulases
; FILE REFERENCE: GC772-3
; CURRENT APPLICATION NUMBER: US/10/641,678
; CURRENT FILING DATE: 2003-08-15
; PRIOR APPLICATION NUMBER: US 60/458,853
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/458,696
; PRIOR FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: US 60/456,368
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: US 60/404,063
; PRIOR FILING DATE: 2002-08-16
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 65
; LENGTH: 491
; TYPE: PRT
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (348) ... (349)
; OTHER INFORMATION: xaa = Any Amino Acid
; US-10-641-678-65

Query Match 40.2%; Score 35; DB 6; Length 491;
Best Local Similarity 70.0%; Pred. No. 1.9e+02; 3; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 SGPPSGARRR 11
Db 49 SZPPPGHRR 458

RESULT 35
; Sequence 254, Application US/11124368A
; Publication No. US2005048755A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cavigli
; APPLICANT: James J. Devlin
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 254
; LENGTH: 498
; TYPE: PRT

Query Match 40.2%; Score 35; DB 6; Length 513;
Best Local Similarity 46.2%; Pred. No. 2e+02;

; ORGANISM: Homo sapiens
; US-11-024-959-293
; Sequence 293, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMBRSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KORZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0160
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 293
; LENGTH: 499
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
; US-11-024-959-293

Query Match 40.2%; Score 35; DB 7; Length 499;
Best Local Similarity 50.0%; Pred. No. 1.9e+02; 3; Indels 0; Gaps 0;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 5 PSGARRNCY 14
Db 12 PDGVKVKVCY 21

RESULT 37
; Sequence 1112, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Precicampsia
; FILE REFERENCE: 81A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: P-SEQ_genes Version 1.0
; SEQ ID NO: 1112
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-821-234-1112

Query Match 40.2%; Score 35; DB 6; Length 513;
Best Local Similarity 46.2%; Pred. No. 2e+02;

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Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0; Result 40
Qy 2 SGPPGARRNCY 14
Db 97 TGPBKGGRRNAW 109

RESULT 18
US-11-124-368A-252
; Sequence 252, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 252
; LENGTH: 538
; TYPE: PRT
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 252
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-368A-252

Query Match 40.2%; Score 35; DB 7; Length 538;
Best Local Similarity 60.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0; Gaps 0;

Qy 4 PPSGARRRNC 13
Db 11 PPSGSEARCC 20

Search completed: February 11, 2006, 08:34:17
Job time : 18 secs

RESULT 39
US-11-124-368A-255
; Sequence 255, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 255
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-368A-255

Query Match 40.2%; Score 35; DB 7; Length 538;
Best Local Similarity 60.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0; Gaps 0;

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